

20011108.qrp v02_n367.qrl.20011108

Date: Thu, 8 Nov 2001 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2367

QRP-L Digest 2367

Topics covered in this issue include:

- 1) [110965] Re: QRP freq on 160m (for the upcoming QRP Sprint)?
by "Harry Hurst" <wa3ptg@home.com>
- 2) [110966] Re: Cub Fox Problem
by "Karl F. Larsen" <k5di@zianet.com>
- 3) [110967] Re: QRP Dummy Load
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 4) [110968] T2T ...GOT EM !!!
by "George Osier" <gosier@twcnny.rr.com>
- 5) [110969] Re: QRP freq on 160m (for the upcoming QRP Sprint)?
by W2AGN <w2agn@pobox.com>
- 6) [110970] NEQRP CW Net, 8 November 01, 8:30 PM EST, 3.565MHz
by Chuck Ludinsky <cjl@mitre.org>
- 7) [110971] 160 meter QRP calling Freq.
by Fred Lesnick <flesnick@tbaytel.net>
- 8) [110972] Re: FOX SANDWHICH, a PSK-31 activity
by "George, W5YR" <w5yr@att.net>
- 9) [110973] Function Generator Question
by "mike" <mgolini@home.com>
- 10) [110974] Re: QRP freq on 160m (for the upcoming QRP Sprint)?
by "w8diz" <w8diz@fpqrp.com>
- 11) [110975] Optivisors
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 12) [110976] FS - Update
by Michael Goins <mgoins@usa.net>
- 13) [110977] Removing most anything, labels, on glass ant. etc.
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 14) [110978] Testing loop with small caps and Ant. Analyzer
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 15) [110979] Been away for a while
by "Kory Hamzeh" <kory@avatar.com>
- 16) [110980] Re: [Elecraft] New Elecraft product: EC1 project enclosure
by Phil Wheeler <w7ox@earthlink.net>
- 17) [110981] Re: NE602 BAL MOD
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 18) [110982] Re: [Elmer 101] Class starts soon!
by "Michael Faeth" <director@concretepipe-mi.org>
- 19) [110983] Re: [Elmer 101] Class starts soon!

- by "Brice D. Hornback" <bdh@cyberbound.net>
- 20) [110984] Re: LCD Help
by "John J. McDonough" <wb8rcr@arrl.net>
- 21) [110985] FS: Ten Tec 509
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 22) [110986] RCVR problems-Why does this happen?
by "TC Dufresne" <tdufresne@neb.rr.com>
- 23) [110987] FS: Ten Tec Century 22
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 24) [110988] FOX - CUB HUNT NUMBER 2 (KA8MAV)
by "Brice D. Hornback" <bdh@cyberbound.net>
- 25) [110989] Re: [Elecraft] New Elecraft product: EC1 project enclosure
by Tim and Nancy Logan <cyr999@extremezone.com>
- 26) [110990] Truffle 11/8/01
by k8cz@att.net
- 27) [110991] Truffle 11/8/01
by k8cz@att.net
- 28) [110992] My SSS sings but it won't count
by DBirn61340@aol.com
- 29) [110993] DX now
by IamSF5@aol.com
- 30) [110994] Re: [QRPP-I] Re: Tiny Tornados Re: QRPPie Notebook
by George Gingell <k3tks@u1.abs.net>
- 31) [110995] Re: NE602 BAL MOD
by "Dave Fifield" <dave@redhotradio.com>
- 32) [110996] Re: NE602 BAL MOD
by Bill Meara <n2cqr@clix.pt>
- 33) [110997] Re: DX now
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 34) [110998] CUB FOX: Proposed Move to 7.030 -7.050
by "Trevor Jacobs" <fxtech@earthlink.net>
- 35) [110999] Re: Suggested QRP Frequencies
by George Gingell <k3tks@u1.abs.net>
- 36) [111000] Re: RCVR problems-Why does this happen?
by "George, W5YR" <w5yr@att.net>
- 37) [111001] Re: My SSS sings but it won't count
by "Karl F. Larsen" <k5di@zianet.com>
- 38) [111002] Re: Miniature keys
by k8ff@juno.com
- 39) [111003] Need advice (OT)
by "Tim A. King Jr." <iflyos@hotmail.com>
- 40) [111004] RE: Reciprocity (with a c)
by Bill Coleman <aa4lr@arrl.net>
- 41) [111005] Re: Reciprocity (with a c)
by Bill Coleman <aa4lr@arrl.net>
- 42) [111006] FS: QRP Rigs
by "N3BJ" <alanfryer@email.msn.com>
- 43) [111007] Re: [Elmer 101] Class starts soon!

- by Mike Maiorana <mikemo@attglobal.net>
- 44) [111008] Re: QRP Frequencies
by Bill Coleman <aa4lr@arrl.net>
- 45) [111009] [CONTEST] QRP Contest Calendar Nov 8-30
by Ken Newman <N2CQ@dandy.net>
- 46) [111010] RE: QRP Frequencies
by Bill Coleman <aa4lr@arrl.net>
- 47) [111011] Re: Testing loop with small caps and Ant. Analyzer
by "E. Roswell" <eroswell@monmouth.com>
- 48) [111012] Re: Reciprocity (with a c)
by "George, W5YR" <w5yr@att.net>
- 49) [111013] [Elmer 101] Of RF probes and multimeters
by Mike Maiorana <mikemo@attglobal.net>
- 50) [111014] WANTED: Kenwood BC-1 or TK-1 wall cube
by "Caitlyn M. Martin" <ku4qd@qsl.net>
- 51) [111015] FS: RS DSP
by Ronald Hands <ronald.hands@sympatico.ca>
- 52) [111016] FOX - CUB HUNT NUMBER 2 (FINAL LOG)
by "Brice D. Hornback" <bdh@cyberbound.net>
- 53) [111017] Colorado QRP Club Memebers: Meeting Nov. 10
by "AB0CD" <ab0cd@uswest.net>
- 54) [111018] NE 602 BAL MOB
by "DONALD G. DORN" <DDORN@CWIS.NET>
- 55) [111019] Index Labs Companion ?
by Michael Melland <w9wis@charter.net>
- 56) [111020]
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 57) [111021] List working?
by "Tim A. King Jr." <iflyos@hotmail.com>
- 58) [111022] RE: Suggested QRP Frequencies
by "Andreas Junge - ATT" <ajunge1@home.com>
- 59) [111023] KITS: True RMS Digital RF Power Meter
by "Steven Weber" <kd1jv@moose.ncia.net>
- 60) [111024] Re: OT of the Year Award: On-Glass Antenna Removal
by Bill Coleman <aa4lr@arrl.net>
- 61) [111025] Re: Need advice (OT)
by "Mike Yetsko" <myetsko@insydesw.com>
- 62) [111026] Fox - 40 mtr Fox Hunt Teams - Final Lineup -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 63) [111027] Re: QRP Frequencys (long-ish)
by Bill Coleman <aa4lr@arrl.net>
- 64) [111028] Results of the NOVEMBER SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 65) [111029] Need help with FCC
by IamSF5@aol.com
- 66) [111030] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 67) [111031] Re: OT of the Year Award: On-Glass Antenna Removal

- by "bob baxter" <rbaxter@cybertrails.com>
- 68) [111032] Elmer 101 RF probe
by Pete Burbank <plburbank@kih.net>
- 69) [111033] Re: FOX - CUB HUNT NUMBER 2 (FINAL LOG)
by "George, W5YR" <w5yr@att.net>
- 70) [111034] FOX: Cub Fox Web Page
by "Karl F. Larsen" <k5di@zianet.com>
- 71) [111035] Re: Paddles question
by Bill Coleman <aa4lr@arrl.net>
- 72) [111036] Current issue of CQ Magazine - anyone?
by John Harper AE5X <ae5x@qsl.net>
- 73) [111037] Re: Paddles question
by "George, W5YR" <w5yr@att.net>
- 74) [111038] Re: Paddles question
by Paul Womble <pwomble1@tampabay.rr.com>
- 75) [111039] OT the (C)old country
by Euramcom <mel@euramcom.freemove.co.uk>
- 76) [111040] Re: Elmer 101 RF probe
by John Wagner <john@wagner-usa.net>
- 77) [111041] Re: OT the (C)old country
by "Mike Yetsko" <myetsko@insydesw.com>
- 78) [111042] FS: TT509
by Qrpop@aol.com
- 79) [111043] [Elmer 101] RF probe URLs - a sample JFF de AL7FS
by Jim Larsen AL7FS <AL7FS@ARRL.NET>
- 80) [111044] Re: [Elmer 101] RF probe URLs - a sample JFF de AL7FS
by "Brice D. Hornback" <bdh@cyberbound.net>
- 81) [111045] Magic Antenna Lengths (longish)
by Jerry Haigwood <w5jh@swlink.net>
- 82) [111046] Re: [Elmer 101] RF probe URLs - a sample JFF de AL7FS
by "Glen Leinweber" <leinwebe@mcmill.cis.mcmaster.ca>
- 83) [111047] FS: American Radio QRP Key Co. Paddle
by "N3BJ" <alanfryer@email.msn.com>

Date: Wed, 7 Nov 2001 20:16:13 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110965] Re: QRP freq on 160m (for the upcoming QRP Sprint)?
Message-ID: <002401c167f25f58894c050400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Subject: QRP freq on 160m (for the upcoming QRP Sprint)?

Which brings up another question. What about those 1843 KHz. computer crystals? Are they in a DX window? Could we use that frequency for QRP fun and games?

Hap, WA3PTG
Wilmington DE

Date: Wed, 7 Nov 2001 17:07:37 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Trevor Jacobs <fxtech@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110966] Re: Cub Fox Problem
Message-ID: <Pine.LNX.4.33.0111071654470.8739-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trever, I think both you and Rod have used RIT so much your sold on it. For sure in your case since your using your Yaesu FT-817 in the RIT mode now to chase Fox!

I didn't chase DX in contests when either RIT or VFO's were available. Seems we had just plain war surplus for the most part, with one tuning knob. So when I got into the Fox Hunts I had VFO and it seemed to be just perfect for me.

As a Hound it works like so:

1. Tune arround and find the Fox.
2. When found hit the A=B so both VFO are the same, and then hit the SPLIT.
3. Tune around and find the Hound being worked. Then tune to a good calling frequency. Switch to other VFO and listen for a time to transmit. You of course transmit on the selected frequency.

This is how Kenwood and Icom and Yaesu and k2 want you to do it.

As for the Collins Filter yes it's the best CW I have ever heard. Yaesu was sure smart to use this filter!

On Wed, 7 Nov 2001, Trevor Jacobs wrote:

> Karl,

>

> I kind of have to agree with Rod on this one, but I understand your feeling. It is a bit more of a pain in the butt to use RIT, but if you use a method like Rod describes, it can be very effective. The biggest problem I see with this, is if the fox moves frequency, as you wouldn't want to be TXing on his operating frequency, but you should be able to hear this from either a lack of the fox signal or a change in his CW tone. Then, by retuning to the FOX to get the same CW tone you heard before with the main tuning dial, you should be at the same offset to his frequency. Now, you may want to change the amount of offset everyonce in a while to make sure that you're in the best spot to be heard, but the use of RIT to give you that offset works FB for me.

>

> BTW, on the FT-817, I don't use the dual VFO's for the Hunt, since the rig actually displays the RIT frequency when it's engaged. I found this to be a very nice feature that my Icom is lacking. Also, the narrow mode on CW with the Collins filter does sound much better than my Icom for weaker signals, and I'd also highly recomend it for anyone that's buying the rig. It's one of those must have features if you intend to run CW.

>

> 72/73's

> Trev

> KG6CYN

> -----Original Message-----

> From: "Rod N0RC" <rod@n0rc.com>

> Date: Wed, 7 Nov 2001 06:32:52 -0700

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Subject: Re: Cub Fox Problem

>

>

> > Sorry Karl,

> >

> > I have to call you on onw point....

> >

> > ----- Original Message -----

> > From: "Karl F. Larsen" <k5di@zianet.com>

> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> > Sent: Wednesday, November 07, 2001 5:43 AM

> > Subject: FOX: Cub Fox Problem

> > ...

> > > I have done a few hunts with RIT and it sucks. You must do it with

> >

^^^^^^^^^^^^^^^^

> > > 2 vfo's like the big rigs, or the k2 or the 817 now.

> > >

> >

> > This is poor advise to pass along to others.

> >
> > I've successfully done several Fox hunts (and DX pile-ups) with RIT
> > only rigs. It may feel a bit awkward at first but like anything, with
> > practice, it becomes natural and easy.
> >
> > Again here is my procedure:
> >
> > 1. Tune the Fox with RIT off, note the Freq and/or dial
> > position
> >
> > 2. Tune up (RIT still off) 500-1000 Hz, don't exceed
> > your RIT range.
> >
> > Now you should be hearing the pack of hounds.
> >
> > Find a spot in the pack that is kind of quite then...
> >
> > 3. Switch on your RIT and tune down with the RIT control
> > until you hear MR/MRS Fox
> >
> > 4. Call away, you will be transmitting up from the Fox
> > and not QRM him/her/it...whatever...;-)
> >
> > Every time I post this I get at least on eamil from somebody telling
> > me how well it work.
> >
> > GL
> >
> >
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Wed, 07 Nov 2001 18:07:32 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110967] Re: QRP Dummy Load
Message-ID: <002001c167e9\$5e511ea0\$00713ed8@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Hi Phil,

Even with good non-inductive resistors it is usually better to parallel several high resistance resistors then it is to series connect several low resistance resistors. The inductance of every resistor will add together in the series configuration and will limit the useable upper frequency limit. The best approach that I have found (probably learned from DeMaw) is to parallel several resistors together by using some scrap double-side PC board as low impedance end connections. Simply drill holes where the leads will protrude through and solder them to the copper. This minimizes the inductance. With very small resistors there may be too much capacitance between the end plates but with standard carbon resistors of a couple of watts or greater rating this isn't a problem because of the large spacing. I usually use four 2watt / 200 ohm resistors in parallel. This gives me 50 ohms and easily handles 5 watts.

The 8-ohm resistor configuration that you speak of may be fine for the lower part of the HF spectrum.

73,

Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Date: Wed, 7 Nov 2001 19:18:10 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [110968] T2T ...GOT EM !!!
Message-ID: <004101c167ea\$da550e20\$976c4342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!

Got T2T on 10 meter SSB at 2333 working up 5 split !!! 2 watts peak to a Cushcraft AR-10 Ringo vertical up 25 ft , Rig a Ten Tec Argo 509. The op was excellent as it took him 3 times to get the whole call.

73s

George , N2JNZ / QRP

Date: Wed, 7 Nov 2001 19:33:55 -0500
From: W2AGN <w2agn@pobox.com>
To: John Harper AE5X <ae5x@qsl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110969] Re: QRP freq on 160m (for the upcoming QRP Sprint)?
Message-ID: <01110719335502.06353@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 07 November 2001 16:12, John Harper AE5X wrote:

> I know not to mess around from 1830-1835 unless I'm trying to snare that
> 9A2AJ guy that never hears my puny signal but is there a QRP gathering freq
> on 160? I plan to participate in the upcoming sprint - where are yall gonna
> be? FWIW, I'll be using an inverted L (up 70' and over 65') and a few sorry
> radials.

--

Well, the accepted CW QRP Calling Frequency has always been 1810, but check with Karl ;-)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Wed, 07 Nov 2001 19:37:39 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [110970] NEQRP CW Net, 8 November 01, 8:30 PM EST, 3.565MHz

Message-ID: <3BE9D3D3.8FB30743@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 8 November 2001, at 8:30 PM EST (0130Z, 9 November 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be Chuck, K1CL, operating from Chelmsford, MA.

A really good net last week, with a total of 14 participants from eight states and two Canadian provinces. Conditions were excellent and signals were generally quite strong into eastern MA. Thanks to everyone for checking in:

W1PID	Jim	Sanbornton, NH	599
K8KFJ	Gary	Charleston, VA	469
N1EI	Charlie	Mansfield Ctr, CT	599
KA3WMJ	Ken	Erwinna, PA	599
K1RC	John	Dracut, MA	599
VE3SP	Herb	Hamilton, ON	589
NZ5L/3	Norm	Honesdale, PA	599
VE9WW	Bill	Moncton, NB	579
W2XS	John	Long Island, NY	599
WA8BXN	Mike	Kirtland, OH	579
WB1HBE	John	Chelmsford, MA	599
K1SWL	Dave	Colchester, CT	599
K1TAV	Dick	Naragansett, RI	589
K1CL	Chuck	Chelmsford, MA	net op

Hope to see you all again this Thursday evening.

72 DE K1CL,
Chuck.

Date: Wed, 07 Nov 2001 19:38:55 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-l@Lehigh.EDU>
Subject: [110971] 160 meter QRP calling Freq.
Message-ID: <3BE9D41F.E747BD76@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out the NJ QRP Site.

The list of frequencies is here.

http://www.qrparci.org/qrp_freqs.html

Fred
VE3FAL

Date: Wed, 07 Nov 2001 18:52:43 -0600
From: "George, W5YR" <w5yr@att.net>
To: rod@n0rc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110972] Re: FOX SANDWHICH, a PSK-31 activity
Message-ID: <3BE9D75B.8CDB6482@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Name a frequency range and see you there!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Rod N0RC wrote:

>
> Got email in response to my PSK31 on 30m post(s). Lots of folks (3)
> want to give 30m a try. So, I got this "Fox Sandwich" idea. On Wed
> nights ("sandwiched" between Fox hunt nights) be a "Radioactiveham"
> (TM)(C)(Patent applied for ;-)) and work some psk-31 on 30m. The goal:
> WAS (or as many states as possible) with psk31 by the end of the FOX
> hunt season.
>
> No rules, dues or prizes just bragging rights and some fun radio
> times.
>
> 73, Rod N0RC
> Ft Collins, CO

Date: Wed, 7 Nov 2001 18:07:34 -0700
From: "mike" <mgolini@home.com>
To: <qrp-l@Lehigh.EDU>
Subject: [110973] Function Generator Question

Message-ID: <001b01c167f1\$bfa00880\$6401a8c0@Golini.chnd1.az.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know if this applies to this list, but is there a way to extend a
function generators range, say from 2MHz to 20MHz?
Someone once told me it was possible, but I could not find any info on it.

Any help would be appreciated.

72/73
Michael J. Golini
K1SLT@ARRL.NET

Date: Wed, 7 Nov 2001 20:23:27 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110974] Re: QRP freq on 160m (for the upcoming QRP Sprint)?
Message-ID: <042b01c167f3\$f80c6400\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

1810 is MOST DEFINITELY the qrp calling freq
one of my favorite hangouts...

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----
From: "W2AGN" <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, November 07, 2001 7:33 PM
Subject: Re: QRP freq on 160m (for the upcoming QRP Sprint)?

On Wednesday 07 November 2001 16:12, John Harper AE5X wrote:

> I know not to mess around from 1830-1835 unless I'm trying to snare that
> 9A2AJ guy that never hears my puny signal but is there a QRP gathering freq
> on 160? I plan to participate in the upcoming sprint - where are yall gonna
> be? FWIW, I'll be using an inverted L (up 70' and over 65') and a few sorry
> radials.

--

Well, the accepted CW QRP Calling Frequency has always been 1810, but check
with Karl ;-)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Wed, 7 Nov 2001 19:26:17 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Bruce Rattray" <rattray@gpfn.sk.ca>
Cc: <qrp-l@Lehigh.EDU>
Subject: [110975] Optivisors
Message-ID: <01d601c167f4\$5d555880\$4e100a0a@rohredt2000>

Bruce,
I had a supervisor who used his all day, or at least wore it flipped up
everytime he came out of the back lab.
I guess he liked it. That was 36 years ago.

However, when I got one, I found the field of view confining, and the fact
your peripheral vision can also see past the lens, makes my focus jump
around or something, in that I found it tiring to use. Bottom line, I went
back to using an illuminated magnifier desk lamp. The Opti I have, cannot
have an illuminator.

I got another type of glass that is worn like eye glasses, or can hook onto
nose piece of regular glasses. This was more comfortable, less heavy than
Opti, and I find it useable for SMT. Still like my illuminated desk lamp
with magnifying glass. And for those SMT situations, I use a handheld
illuminated magnifier under the desk glass, which about doubles the 3X or so
magnification of the basic illuminated desk lamp /magnifying glass. Of
course that only leaves one hand free, but that is another problem.
Actually, I have developed a way to hold solder and the iron in one hand for
those cases.

You might want to try an Optivisor on at a store, if possible, and wear it around for 5 minutes and see if you like that band clamping your head. I found it uncomfortable, and doubted I would get used to it. I think they are fine if you can adapt to them, like other tools, it is very subjective.
72,

Stuart K5KVH

Date: 7 Nov 2001 20:31:40 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [110976] FS - Update
Message-ID: <20011108013140.4688.qmail@cpdvg100.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

ClearSpeech, TS-120, and Outbacker ultra-heavy duty spring, are all sold (Outbacker is still available).

Still available:

Outbacker WL-130, 2 piece, 10-75 meters approximately 6 feet tall (2 three foot pieces that screw together). This is an excellent multi-band mobile = (or stealthy) antenna that works great. Good condition. \$175.00 shipped CONUS

Oak Hills Research WM-2 wattmeter. I built it, and have used it at the one-watt or less level. Face is perfect; right side has a couple of scuffs where it was against other equipment. \$85 shipped CONUS

Radio Shack HTX-10, SSB-FM like new, original box. Only used for a few weeks, and worked a lot of DX mobile with this radio. Will include a Packet setup I was given, if buyer wants it. \$90 shipped CONUS

KLM 70 watt, PA70-BL vhf ssb/fm \$70 shipped CONUS

Hustler resonators =96 10 meters, 17, meters. All good shape. \$17 each CONUS

Please contact me off list. =

Mike =

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Wed, 7 Nov 2001 19:46:40 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Phinizy, William" <wphinizy@filenet.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [110977] Removing most anything, labels, on glass ant. etc.
Message-ID: <01dc01c167f7\$366498f0\$4e100a0a@rohredt2000>

Bill,

One way to do it is set the car in the sun so the glass gets as hot as it can, I know, up there it is harder this time of year.

But what I want you to do next is use a hair dryer, and heat up the junction between the glass and the on glass metal plate. If the sun did not heat the glass for you, then preheat it some with the heat gun before spot heating the glue line. As you heat the glue line for awhile, start working a stout pocket knife blade, thin putty knife, etc, under the plate, dislodging the glue. I find this is a great way to remove labels and decals of plastic type too. Keep applying heat to the interface of glue and the plate as your blade rocks it up off the glass. Do not use something that would have a sharp point gouging the glass, and do not do this on cold glass first thing of a morning. Save this for noon.

GL and 72,

Stuart K5KVH

Date: Wed, 7 Nov 2001 19:51:09 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <iflyos@hotmail.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [110978] Testing loop with small caps and Ant. Analyzer

Message-ID: <01e201c167f7\$d68332b0\$4e100a0a@rohredt2000>

Tim,

One of the Antenna analyzers I have uses only 3 mw as I recall, and I doubt the other brand uses more than 100mw if that. In other words, it would be fine to use small trimmer caps for testing the loop. However, if you see unstable readings, that particular cap may not be suited to the job. If you have or can find a ham with old WW2 Hammarlund APC or MAPC trimmers with metal plates, on ceramic bases about 1/4 inch thick, those are good up to 10 watts as we used them in old 6AQ5 sandwich box transmitter tank circuits.

GL and 72,

Stuart K5KVH

Date: Wed, 7 Nov 2001 17:58:46 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110979] Been away for a while
Message-ID: <004b01c167f8\$e6e06320\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Everyone,

I've been away for a while, but I'm back. Haven't been on the air at all for over 18 months, maybe 2 years and I do miss it. Since we moved to our new QTH, had to give up the tower and just have an R7000 on the roof of the house sitting at the base of a hill. Oh well. Work has calmed down a little due to the economy. The positive side of it is its given me more time to play around.

I have two questions:

1. I need someone to test and align my K2 and bring it up to spec. EleCraft will do it for about \$90, but if anyone else is willing to help me out for free (I'll cover shipping and expenses) please let me know, otherwise I'll send it in to Elecraft. It needs to good alignment and seems to draw a lot of current on 15 meters and above.

2. A friend of mine that does not have too much money is looking to get a general coverage SW receiver that also does a decent job on CW. Currently,

the only new one that I see is the Yaesu FRG-100 which is over her budget.
Most SWL receivers now a days don't do a good job with CW. I'd be
interested in any feedback here.

Thanks & 73,

Kory

AC6RN

--

Kory Hamzeh

ICQ # 133630494

<http://www.avatar.com/>

<http://www.metaphysical-store.com/>

Date: Wed, 07 Nov 2001 19:12:53 -0800

From: Phil Wheeler <w7ox@earthlink.net>

To: Jessie Oberreuter <joberreu@moselle.com>

Cc: Wayne Burdick <n6kr@elecraft.com>, Elecraft <elecraft@qth.net>,
qrp <qrp-1@lehigh.edu>

Subject: [110980] Re: [Elecraft] New Elecraft product: EC1 project enclosure

Message-ID: <3BE9F835.19F5D48B@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Jessie Oberreuter wrote:

>

> On Wed, 7 Nov 2001, Phil Wheeler wrote:

>

> > OK, all you requesters: What are some good ideas of what to put in an

> > EC1? I'm trying to justify ordering one :-;

>

> Speaker, PS, amp, tuner, transverter, 4ah battery + charge

> controller, antenna switch, matching 10m or 80m xcvr or transverter,

> matching accessory box for antenna, key, batteries, pencil, and notepad?

>

> Ki7el ran his K1 all field day off a 4ah battery and a solar panel.

>

>

Been there .. have those.

Phil

Date: Wed, 07 Nov 2001 22:29:47 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: DDORN@CWIS.NET
Cc: qrp-1@lehigh.edu
Subject: [110981] Re: NE602 BAL MOD
Message-ID: <5.0.2.1.1.20011107222745.00a01ec0@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:40 PM 11/7/01 -0600, you wrote:

>I am building a SSB xcvr and using a NE602 for a balanced modulator but
>have not found a quick and easy way to unbalance it for tuning purposes.
>Anybody ever tried this? I made a 700 cycle gen from a 555 and can
>inject it with a small relay. It works but there must be a better way.

Don,

I've not tried this, but injecting some dc current into one of the
inputs ought to unbalance the beastie. I'd start with maybe
100K from Vcc, and work down. Probably wouldn't go any lower
than 10K, but something in that range ought to unbalance it.

72,

Jim, K8IQY

Date: Wed, 7 Nov 2001 22:36:00 -0500
From: "Michael Faeth" <director@concretepipe-mi.org>
To: <qrp-1@lehigh.edu>
Subject: [110982] Re: [Elmer 101] Class starts soon!
Message-ID: <NEBBLEBICLBECILHCPBCIIEBKCCAA.director@concretepipe-mi.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I heard about this class in a response to a post on the elecraft e-mail
list. It sounds great for me. I've had my technician license less than a
month and am working on code to get up to general. I could probably pass
the theory test now, but I want to better understand how things work, not
just the right answers to the questions. If you have a sign up list please
add me to it. I'm ordering the kit tomorrow

73,
Mike, KC8SJQ

Date: Wed, 7 Nov 2001 22:48:06 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <mikemo@attglobal.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110983] Re: [Elmer 101] Class starts soon!
Message-ID: <057101c16808\$321134a0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Besides the SW-20+ (and hopefully the differences in the SW-30+) will the
Freq-Mite and RIT additions also be covered in the class? I think
understanding in depth the addition of the RIT kit to the rig would be very
beneficial.

Thanks.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPp-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27

Date: Wed, 7 Nov 2001 23:03:57 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "Kevin M." <adverseyaw@twmi.rr.com>
Subject: [110984] Re: LCD Help
Message-ID: <03d101c1680a\$6784c280\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Kevin,

Hey, if the 7231 can drive it, that sounds like a good deal. The foam thing

doesn't appeal to me because I am more of the Manhattan than the PC board persuasion. Initially I went to the dollar store and grabbed a bunch of calculators with the intent of scavenging the LCDs. But the mounting scheme as well as multiplexing the segments myself didn't appeal to me.

I simply removed the original connector and soldered in wires to a 0.1" spacing header. Not the prettiest but I couldn't find 0.05" headers either. The main hassle is taking a hacksaw to the plastic to get rid of all that odd shaped stuff.

I actually built my counter from Peter's LED code. It wasn't until after I was done that I discovered his LCD code. But in general I've tended to rip out other people's LCD code and replace it with my own. I have a 'standard' way to wire these things up that lets me test things more easily by being standard. Plus, some of these LCDs are pickier about the timing than others, and I use 4, 10 and 20 MHz clocks depending on the project, and occasionally something odd for a specific reason. I know what I need to tweak in my code <g>

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Kevin M." <adverseyaw@twmi.rr.com>

Subject: Re: LCD Help

> John,
> First of all, thanks. I had found your website while looking for PIC freq
> counters and then lost it again. Now I have it back.
> I did get one of those LCD1003 displays from BG Micro. I also got the
> backlit one. It is a great bargain. Have been looking for .05" headers.
I
> saw them somewhere, just not sure where.
> With this unit I am going for small. My two main problems are connecting
to
> the LCD display and where to connect to the LCD display.
> The first problem is solved with the conducting foam strip (really
> ingenious). To solve the second problem all I have to do is figure out a
> pinout.
> Jim Cotton suggested a chip to drive the display (MAX7231) which appears
to
> be made to order, so that solves the driving problem.
> BTW, did you have to modify the code from OM3CPL's site ? I had found
that
> also.
> Kevin, KC8SFJ

Date: Wed, 7 Nov 2001 22:21:04 -0600
From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [110985] FS: Ten Tec 509
Message-ID: <000b01c1680c\$c9155800\$d3bf1d41@wi.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am listing a Ten Tec 509 Argonaut for sale. 10 thru 80m. Manual. Matching mic. Includes an MFJ speech processor (unsure of model). Condition described to me to be cosmetically 7 out of 10. Front panel and right side are good, no scratches, but left side panel is lacking original fasteners and not fitting tight to case. Listing for a friend, Jim, KA9URI.
\$230 o.b.o. plus ship.

Glenn Butzlaff, WE9K

Date: Thu, 8 Nov 2001 04:24:20 -0000
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [110986] RCVR problems-Why does this happen?
Message-ID: <007901c1680d\$3e411240\$89b41c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was trying to align my rcvr tonite. All is well, but I wondered if my trimmer cap was faulty. I noticed there was continuity across the cap, ie, my DVM continuity meter would "beep" when I placed the probes on both pads.

I assumed it was shorted out.

I replaced it with another, albeit slightly smaller cap (8-50pF instead of an 8-70pF)

Now, I noticed when I tune stations to clockwise direction, the tone goes

up! It used to always go "down" when I tuned stations to the clockwise direction. (just like the book)

WHY IS THIS? My lord, did I mess something up?

I still don't notice too much difference when I tune the cap.... Though when I press harder as to push the tuning tool in the cap, it "rushes" more-like I have heard it gets "live", almost when you are tuning a regen rcvr, and the sound is different.
Tom

Date: Wed, 7 Nov 2001 22:27:10 -0600
From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [110987] FS: Ten Tec Century 22
Message-ID: <001601c1680d\$a32ec760\$d3bf1d41@wi.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am listing a Ten Tec Century 22 and matching power supply for sale. Very good condition. Went to factory about 2 years ago just to be checked to make sure everything was up to spec and has been in a plastic wrapper since. Has manual. I'm listing this for a friend, Jim, KA9URI. \$250 plus ship.

Glenn Butzlaff, WE9K

Date: Wed, 7 Nov 2001 23:53:40 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110988] FOX - CUB HUNT NUMBER 2 (KA8MAV)
Message-ID: <05db01c16811\$58f0e6c0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone. Several people have asked specifically what equipment I was using during last nights hunt. I was using a Small Wonder Labs SW-40+ with RIT, TiCK-4, Freq-Mite, and DFD3 LCD Digital Frequency Counter/Display...

running 3-watts into a 40-meter Hamstick vertical up about 30 feet tuned with a Kenwood AT-200 antenna tuner. It was a temporary antenna setup as I used all sorts of aluminum tubing, guy wires, six (6) quarter-wave radials, and a lot of DUCT TAPE to hold it all together up in the air! I live in a neighborhood that doesn't allow outside antennas... so I had to take it down after the hunt. Keying was done via a NorCal/K8FF Paddle Kit (pre-production Code Warrior Jr.) I built, and Dits and Dahs were happily inserted as needed via the TiCK-4. Logging was done by hand (#2 Pencil) and transferred into HTML via FrontPage. I was drinking a lot of coffee too! ;-)

I really wish I could have handed out more pelts. Conditions here were really bad. I began calling CQ FOX exactly at 0200 and didn't quit until 0400. I was out there... the whole time... either handing out a few pelts or desperately trying to hear through all the QRM and noise. If you didn't get me this time... I'm sorry. I did my best to hear you.

I'm hoping to have the final log posted tomorrow.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27

Date: Wed, 07 Nov 2001 22:24:56 -0700
From: Tim and Nancy Logan <cyr999@extremezone.com>
To: Phil Wheeler <w7ox@earthlink.net>
Cc: Jessie Oberreuter <joberreu@moselle.com>,
Wayne Burdick <n6kr@elecraft.com>, Elecraft <elecraft@qth.net>,
Subject: [110989] Re: [Elecraft] New Elecraft product: EC1 project enclosure
Message-ID: <3BEA1728.F2CE8F1C@extremezone.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yeah? What solar panel did he use - charge controller? Battery monitor?
Just curious. Thanks. 73/Tim Logan KB7OEX

Phil Wheeler wrote:

>

> Jessie Oberreuter wrote:

> >

> > On Wed, 7 Nov 2001, Phil Wheeler wrote:

> >

> > > OK, all you requesters: What are some good ideas of what to put in an

> > > EC1? I'm trying to justify ordering one :-;
> >
> > Speaker, PS, amp, tuner, transverter, 4ah battery + charge
> > controller, antenna switch, matching 10m or 80m xcvr or transverter,
> > matching accessory box for antenna, key, batteries, pencil, and notepad?
> >
> > Ki7el ran his K1 all field day off a 4ah battery and a solar panel.
> >
> >
>
> Been there .. have those.
>
> Phil
> ---
> To subscribe or unsubscribe: <http://www.elecrafter.com/elist.html>
> Post messages to: elecrafter@qth.net (You must be subscribed.)
> Postings must be sent from the same addr. as subscribed.
> The qth.net list server rejects HTML encoded emails.
> Elecraft Web Page: <http://www.elecrafter.com>

Date: Thu, 08 Nov 2001 05:48:00 +0000
From: k8cz@att.net
To: fpqrp-l@mpna.com (The Pigs!), qrp-l@Lehigh.EDU (QRP-L)
Subject: [110990] Truffle 11/8/01
Message-ID:
<20011108054801.JBJJ4554.mtiwmhc22.worldnet.att.net@webmail.worldnet.att.net>

Just to remind everyone that Tom, K8CZ is tonight's
truffle. I'll be around 7043 +/- QRM.

The call is CQ CQ CQ FP de K8CZ k

The exchange is RST, name, QTH and power. About 14 WPM
will QRS as needed.

--
73,72, 00
FP #41 Fists #2360 ARCI #9606
Norcal ARRL
Hamilton, Ohio
EM79ri
Tom, K8CZ

Date: Thu, 08 Nov 2001 05:50:33 +0000

From: k8cz@att.net
To: fpqrp-1@mpna.com (The Pigs!), qrp-1@Lehigh.EDU (QRP-L)
Subject: [110991] Truffle 11/8/01
Message-ID:
<20011108055033.VVJL19017.mtiwmhc24.worldnet.att.net@webmail.worldnet.att.net>

00PS, forgot the time. 0130 11/9/01 UTC

--

73,72, 00
FP #41 Fists #2360 ARCI #9606
Norcal ARRL
Hamilton, Ohio
EM79ri
Tom, K8CZ

Date: Thu, 8 Nov 2001 01:14:49 EST
From: DBirn61340@aol.com
To: qrp-1@lehigh.edu
Subject: [110992] My SSS sings but it won't count
Message-ID: <20.1ea2a91a.291b7cd9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I've been trying to get my ScQRPion stinger singer to work in anticipation of using to test the VFO of a very slow-building 2n2/40. It seems to do everything it is supposed to, spits out lots of numbers and R's, and cycles through all of the read out choices

I started my Manhattan building by building a crystal oscillator, I know it works because it makes a racket (actually it sounds very nice) in my K1. I connect it to the stinger and it continues to churn out numbers like it is "running free" with the read out at 70-80 MHz and bouncing around with each reading. I tried swapping the 74HC00 chip and that didn't do it. Any suggestions? Thanks

Dan
AD6JY

Date: Thu, 8 Nov 2001 02:07:10 EST
From: IamSF5@aol.com
To: qrp-1@lehigh.edu

Subject: [110993] DX now
Message-ID: <15f.38a7eb1.291b891e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Big pile up and DX right now on 40 meters just below
7.010 and banging in on the MFJ with an indoor antenna
Bob
WA2HOQrp <tm>

Date: Thu, 8 Nov 2001 02:15:36 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: "Brice D. (QRPp-I) Hornback" <ka8mav@arrl.net>,
Mike Czuhajewski <wa8mcq@erols.com>,
Subject: [110994] Re: [QRPp-I] Re: Tiny Tornados Re: QRPpie Notebook
Message-ID: <Pine.BSF.4.33.0111080016520.46052-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You are probably correct. However, It might be something that some of the QRP Clubs could do something to help. Some of them already accept ideas for "Club Projects" which I beleive could easily support the idea of using some of you Wire Wizards for input suggestions. NorCal has stated something to the effect that they would be willing to Subsidise some small ventures like the kit projects in return for an Article for QRPp.

That is, I believe an UnTapped Resource. I think the NJ-QRP Club and The QRP HOMEBREWER are also good possiabilities for Support in this manner.

I was looking at the WorldRadio Magazine tonight. The QRP Coulmn carries an article about the new version of W7ZOI "Mountaineer Transceiver Kit"

by Bill Kelsey, N8ET, of Kanga U.S. It looks like it is \$ 60.00 with the pcb. The pcb is 2-1/2" X 4" (Durn it!) At first I thought it would fit perfectly, then I opened the Pomona Die Cast box and realized that the internal space is more like 2" X 4" or just a hair under. I have several of these boxes which I have been saving for "Special Projects". Guess I will have to re-think the packaging/layout a bit more.

Have you ever noticed how hard it is to find the "Right Box" for a project? I am determined to come up with something of a "Standard" for my QRPp Projects.

I have to build a few "Proto-Types" first, But I think I have a couple of

Winning Ideas for next year. If I can get this Bookkeeping and Taxes behind me. So that I can have my life back. The wife keeps catching me slacking. :^} I have to make my notes in secret :^}

3X5 and 4X6 Cards are falling freely into the QRPPie (QRPP Idea Exchange) [Part of Maryland Milliwatt QRPP Reference Library].

I may have to get permission from Mike C. on that, It is awfully similar to His Idea Exchange in the QRP Quarterly.

Maybe it should be Pat. Pend. Tips :^}

Laser and Milliwatt Madness, Antennas and Structures for Portable Operation and FD. Or how to have fun in an Area with Antenna Restrictions. (May actually do an ebook on this one).

I am planning for a Digital Camera and New PC in the coming year.

I am hoping to do some of my own DTP, PIX, and Associated stuff.

Maybe even a couple of CD's on QRPP (Milliwatt Madness).

I will bet that you could do a good book on Homebrew Design and Construction.

The up coming [ELMER 101] Project is something that should be Archived to CD's for the Future. I might bring that up with the powers to be on qrpl.

I wish I had the equipment to do the job.

OBTW, Back to project cases for a minute. Here are some of the sizes that I have given thought to so far, or which I have found not to fit Standard Die Cast boxes on hand. :^}

These are I.D. sizes considering the Circuit Board Size.

(Make allowance of 1/4" space all around the circuit board for Boxes).

Also ALL Circuit Boards Should have at least 1/4" of "Trimmable Space" on all edges to allow custom fitting into the available containers.

Altoids & Sucrets Tins, Coffee Cans, Tuna Cans, PVC Pipe, Copper Pipe, 35 MM Film Containers, Pill Bottles, Match Boxes, Etc.

Here are a few Sample sizes for containers.

CKT BD Size:	I.D. Size of Die Cast/Milled Box
--------------	----------------------------------

2" X 3-1/2" (Business Card Size)	2-1/2" X 4"
3" X 5" (Index Card)	3-1/2" X 5-1/2"
3-1/2" X 5-1/2" (Standard QSL Card)	4" X 6"
4" X 6" (Index Card)	4-1/2" X 6-1/2"
5" X 7" (Index Card)	5-1/2" X 7-1/2"
2-5/8" X 5-1/4" X 3" High	Yuasa NP 2.6-12 12V 2.6 AH Battery
6-1/2" X 3-1/2" X 2" High	1-Yuasa NP 2-12 12V 2.0 AH Battery

With extra verticle space for a charger circuit board and/or Solar Charge Controller, such as the Micro-M by Mike Bryce, WB8VGE.

3" P.V.C. Pipe, for 3" Diameter Circuit Board Modules. (Large Model Rocket),

Or Circuit Boards for my Portable Antenna and Milliwatt Beacon Project, with Internal Ladder Feedline, Balun, ATU, Control Links, Transmitter, Keyer, and Power Supply Module with Solar/Wall Wart Chargers. Optional Fiber Optic and Laser Pointer Control Link. [The Big Secret Winter Project] :^}

3-1/4" Diameter PCB for Tuna Can (Tuna Tin II, Of Course)

Still collecting ideas, Anyone have others to add ?

Maybe we can make this into a book for Homebrewers..

GN es Happy Homebrew Thoughts..

OBTW :^} ATTENTION !!! ALL MARYLAND MILLIWATT CLUB MEMBERS and Guests.

You are Hereby Requested to Attend the Final Meeting of MDMW for 2001.

It has been suggested that we hold Court in the Laurel, MD Mall Food Court at 11:30 A.M. on this Saturday, The 10th of November, 2001.

B.Y.O.R. (Rig) and/or something for Show Es Tell, Sell or Swap.

No Cover Charges, but you must bring/buy your own food & Beverages.

Unless you can get someone else to buy :^} Brown Bag is o.k. also.

Don't think we can have Music :^} Sorry, I know some would like to bring

Musical Instruments, but the Mall Fuzz Busters will not likely appreciate that thought.

I will bring the Official MDMW "Totem" Wind Sock (US FLAG) and 2 Meter J-Pole Mast and Stand. Oh!, Yes, and a 35MM Camera.

Anyone with a Digital Camera is Especially Welcome. I hope to also invite Some of the QRO boys from LARC. I am working on some for Potential QRP Members. One is hot for PSK-31. Maybe I will bring the Unbuilt NJ-QRP "Warbler-80" for Show es Tell. (I could let him build and test it for me:^^}

Something for me and something for him....

Please Pass the word to any QRPers or Potential QRPers who might be in the area on Saturday. We would be glad to have you join us..

72,73,88, & 30. GN es GBU es URS

Sir George, The First :^^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

On Wed, 7 Nov 2001, Steven Weber wrote:

> > The Thought was to try to organise a QRP Builders Group. With the Bigger
> > Vendors Offering Parts from their Stocks at a nominal up charge.
> >
> Geroge,
>
> I kinda doubt you could get them to do this. A lot of work processing
> small orders for little profit. Best leave that to Diz and Dan's...
>
>

> 72,
> Steve, KD1JV in the White Mountains of New Hampshire
> "Melt Solder"
> <http://www.qsl.net/kd1jv/index.html>
>

Date: Wed, 7 Nov 2001 23:20:50 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110995] Re: NE602 BAL MOD
Message-ID: <003101c16825\$e7663b80\$0200a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don,

Injecting a DC offset (a 22K resistor to the 6V rail from one of the inputs, pin 1 or 2) is a good way to unbalance the mixer but ONLY if pin 1 and 2 are isolated at DC.

I have found, and used in the SMK-1 design, that you can raise the DC voltage on pins 1 and 2 together to get more gain from the SA612 (NE602's new ident). Because I raise the voltage on pins 1 and 2 by the same amount, the device remains balanced. If you concoct a circuit that just shifts the DC point of one of the inputs, you will get RF output from the device (CW carrier) which you can use to tune up the TX.

If you don't want to go to all this bother, maybe you could simply remove the relay you have in the output of your 700Hz tone oscillator and either mix it into the TX audio path properly (with a simple op-amp circuit) or maybe switch it with an FET instead. Just a thought.

Cheers es 72,
Dave Fifield, AD6A

----- Original Message -----
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, November 07, 2001 7:29 PM
Subject: Re: NE602 BAL MOD

At 05:40 PM 11/7/01 -0600, you wrote:

>I am building a SSB xcvr and using a NE602 for a balanced modulator but
>have not found a quick and easy way to unbalance it for tuning purposes.
>Anybody ever tried this? I made a 700 cycle gen from a 555 and can
>inject it with a small relay. It works but there must be a better way.

Don,

I've not tried this, but injecting some dc current into one of the
inputs ought to unbalance the beastie. I'd start with maybe
100K from Vcc, and work down. Probably wouldn't go any lower
than 10K, but something in that range ought to unbalance it.

72,

Jim, K8IQY

Date: Thu, 08 Nov 2001 07:31:58 -0400
From: Bill Meara <n2cqr@clix.pt>
To: DDORN@CWIS.NET
Cc: qrp-l@lehigh.edu
Subject: [110996] Re: NE602 BAL MOD
Message-ID: <3.0.6.16.20011108073158.2fa73b30@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:40 PM 11/7/01 -0600, you wrote:

>I am building a SSB xcvr and using a NE602 for a balanced modulator but
>have not found a quick and easy way to unbalance it for tuning purposes.
>Anybody ever tried this? I made a 700 cycle gen from a 555 and can
>inject it with a small relay. It works but there must be a better way.

>

>

>73,

>Don K5AAR

>Lake Eufaula, Ok>

Don: I've just finished another 17 meter DSB rig, this one using NE602's.
The RX has NE602 as the RF amp, another one as the mixer and a third one as
the first AF amp. (It is based on a VK3AWC design in SPRAT 93.) To
unbalance both the RF amp and the AF amp, I just put 5 volts DC on pin 6.

I'm not sure this is the best way to do this, but it seems to work. VK3AWC varies the voltages on pin 6 of the RF and AF amp for gain control and AGC.

I have another Ne602 as the balanced modulator in the TX and hadn't really thought yet about how I was going to unbalance for tuning. Your question made me think of the answer: 5 volts to pin 6 via a pushbutton switch.

Tell us more about your project.

73 de CU2JL (aka N2CQR)
Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqr>

Date: Thu, 8 Nov 2001 00:01:24 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <IamSF5@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110997] Re: DX now
Message-ID: <[009601c1682b\\$90d8e320\\$6d28cd18@charterpipeline.com](mailto:009601c1682b$90d8e320$6d28cd18@charterpipeline.com)>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

T2T at 7.007 QSX 7.012.
Worked with 5W (and a Force 12 4SXL at 50 feet)

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Thu, 8 Nov 2001 01:39:38 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <k5di@zianet.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
Subject: [110998] CUB FOX: Proposed Move to 7.030 -7.050
Message-ID: <[023301c16839\\$497c6c00\\$7ee4b3d1@tjacobs](mailto:023301c16839$497c6c00$7ee4b3d1@tjacobs)>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom N1TP and I were discussing the dilemma of the Cub Fox hunt today, as the BC is making the band virtually unusable for a FOX Hunt. The major issue of having the Cub Fox hunt in the Novice band is to include Novice and Tech+ operators in this more relaxed event. The question is "Are there any Novices or Tech+ operators participating in the event?". Well, I thought about this a bit today and suggested 2 things to Tom. First, take a look at the logs from last years hunt, and look up the calls on QRZ to see if any of the past operators were Tech+'s or Novices. Secondly, poll the list here to see if there are any Novices or Tech+'s that are actively participating this year.

Tom (Thanks Tom!) performed part 1 for all the calls that had at least 2 pelts. Tom's search results are below, and he found that there were no operators, that had at least 2 pelts, that were below a General Class operator. I searched all of the rest of the calls (boy there were a lot of them - 112 !) that had only one pelt and of all the calls, I found 1 Novice, 4 Techs, and 1 Tech+. I'm assuming that the 4 Techs have been licensed for a while, Hi!

Now, the next question is, are any of you that are actively participating in the hunt this year a Novice or Technician with code privileges? If so please respond either on or off the list.

BTW Guys, I'm not trying to create policy here for the hunt, but it seems to be the general consensus that we'd like to move down to the normal areas of operation for 40 meter CW. The Novice Band is great for a 1 on 1 QSO in a clear spot, but not practical for the CUB FOX Hunt due to all of the BC. If anyone has anything to add to this please do. This was done as a way to gather information for the Cub Fox Hunt committee to evaluate.

72/73's
Trev
KG6CYN

----- Original Message -----
From: Tom <n1tp@worldnet.att.net>
To: <fxtech@earthlink.net>
Sent: Wednesday, November 07, 2001 7:05 PM
Subject: RE: FOX: Cub Fox Problem

> I checked QRZ against all hounds who bagged more than one
> pelt last CUB season.

>
> No hound who bagged more than one pelt has a license
> below "general."
>
> It's time to immediately move the CUB hunts into 7.030 - 7.050.
>
> Tom, N1TP
>

Date: Thu, 8 Nov 2001 06:35:48 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Doug Hendricks <ki6ds@dph.dpol.net>
Cc: QRP List <qrp-l@Lehigh.EDU>
Subject: [110999] Re: Suggested QRP Frequencies
Message-ID: <Pine.BSF.4.33.0111080622360.53405-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thank you very much Doug, for the exacting response to the question.

Only last week I suggested that Anyone who wished to Change the QRP Operating Frequencies, were welcome to try. All they need to Do is Have about 5000 + Crystals made up and offer them here and on G-QRP-L for a nominal sum plus postage. Like FREE with a S.A.S.E. :^} That is the only way that we are going to accept another change.

Yes, That's it FREE Crystals for all ham bands. In the meantime, I and many others look forward to your Generous offer of 20 Meter Crystals for 14.060 "The QRP SPOT!" for Only \$ 3.00 Each. I am in line for 5 as soon as they are ready. I can just about Guarantee that Several on QRPP-I will be standing in line also. There are a lot of Pixies, Trixies, and other Neat little Toys just waiting in the wings to pop up on 20 Meters.

Like Several Others here on the list, We have a considerable investment in our QRP Rock Garden and don't see a need for another Change. If he spot is busy, I have several other choices. Use a different Crystal, the VX0, a plug in vfo, or Just fire up one of the other rigs with VFO and find another spot. If that dosen't work, there is always T.V. or QRP-L :^}

THANKS AGAIN!

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 08 Nov 2001 07:14:26 -0600
From: "George, W5YR" <w5yr@att.net>
To: tdufresne@neb.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [111000] Re: RCVR problems-Why does this happen?
Message-ID: <3BEA8532.7CB089A1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom, you didn't say what receiver you were working on, but I think that the answer is independent of that.

It sounds to me that your cap change has moved the BFO frequency to the "other" side of the filter which is why your tuning is now reversed.

Fancy modern rigs have a CW-R mode that does this as an aid in fighting QRM.

Some radios operate in the "USB" mode on CW where increasing the dial frequency decreases the beat note on CW. Most radios (dangerous statement!) are "normal" using LSB mode where the beatnote frequency goes up with dial frequency. The only radio I have ever used that used USB mode is my Kachina 505DSP, but it was designed basically as an SSB radio with CW tacked on.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

TC Dufresne wrote:

> Now, I noticed when I tune stations to clockwise direction, the tone goes
> up! It used to always go "down" when I tuned stations to the clockwise
> direction. (just like the book)
>
> WHY IS THIS? My lord, did I mess something up?

Date: Thu, 8 Nov 2001 06:17:26 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <DBirn61340@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [111001] Re: My SSS sings but it won't count
Message-ID: <Pine.LNX.4.33.0111080615170.1283-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Don, Perhaps you don't have a large enough signal to drive the SSS. Or perhaps you need to connect it to a different spot.

On Thu, 8 Nov 2001 DBirn61340@aol.com wrote:

> I've been trying to get my ScQRPion stinger singer to work in anticipation of
> using to test the VFO of a very slow-building 2n2/40. It seems to do
> everything it is supposed to, spits out lots of numbers and R's, and cycles
> through all of the read out choices

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Thu, 8 Nov 2001 08:13:22 -0500
From: k8ff@juno.com
To: qrp-1@lehigh.edu
Subject: [111002] Re: Miniature keys
Message-ID: <20011108.081802.-991715.3.k8ff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

It seems that the updates are behind. The new keys should be on the website shortly. You can see both the "Code Mite" and the "Venus" on page 100 of the September, 2001 QST.

Regards, Wayne K8FF

On Wed, 7 Nov 2001 14:08:44 -0800 Stephen M Smith <sigcom@juno.com> writes:

> Wayne,

>

> It appears that Vibroplex hasn't updated their site in a while.

> Code Mite nowhere to be found.

>

> 73.....Steve, WB6TNL

>

> On Wed, 7 Nov 2001 13:41:40 -0500 k8ff@juno.com writes:

> > Check out the new "Code Mite" that I designed for Vibroplex. It

> is

> > shown

> > in the latest advertising in CQ and on www.vibroplex.com

> >

> > Many Thanks, Wayne K8FF

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 08 Nov 2001 08:24:23 -0500

From: "Tim A. King Jr." <iflyos@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [111003] Need advice (OT)

Message-ID: <F14103u9PH3IhA1qfT70000b013@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

With the wealth of knowledge on this list, maybe someone can help me out with this slightly off topic post.

I have aquired the following items, and need to get approximate values for them:

B&K Precision O-scope model 1472-B w/2 probes

B&K Precision model 520 Transistor Tester

B&K Precision model E-2000 RF Signal Generator

Eico 378 Audio Signal Generator

I have to clean out the shack in order to purchase a kit for the Elmer 101 class.

Please respond off list, and thanks in advance!

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."
Albert Einstein (1879-1955)

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 8 Nov 2001 08:24:42 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [111004] RE: Reciprocity (with a c)
Message-ID: <20011108132549.FKOM18061.imf13bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/1/01 3:02 PM, Nick Kennedy at nkennedy@tcainternet.com wrote:

>Sure it can. the TH7DXX's gain on transmit is also its gain on receive.
> the MP1's attenuation is the same on transmit as it is on receive (no
>slight to the fine MP1 intended). Assuming propagation paths are the
>same, you have reciprocity.
>
>Some have pointed out special cases where the propagation path loss might

>not be the same in both directions. But in general, the concept [of
>reciprocity] makes sense.

Well, we can only draw one conclusion then -- the guy with the TH7DXX
must be running EXCESSIVE POWER....

(to borrow from another recent thread....)

<grin>

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 8 Nov 2001 08:31:35 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <w5yr@att.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [111005] Re: Reciprocity (with a c)
Message-ID: <20011108133243.HQQC1517.imf09bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/1/01 3:13 PM, George, W5YR at w5yr@att.net wrote:

>I suspect that it was more a case of local noise and adjacent signals, etc.
>in DC than any aspect of path reciprocity. With independent uncorrelated
>noise sources at each end of the path, that alone makes the notion of
>reciprocity questionable. The presence of adjacent signals and distortion
>products further adds to the mix as additional uncorrelated noise-like
>events.

Part of the key is that amateurs don't live in a two-signal environment.
There are thousands of signal sources. We may call them "noise", but
that's somewhat unfair. The other ham's QSO just down the band wouldn't
call it noise, but it contributes to the conditions at the receiver on at
least one end, but possibly not the other, due to differing propagation
to other locations in the world where these signal sources exist.

>Amateur radio channels seldom measure up to the theoretical conditions
>required for path reciprocity. They can come close, though, which is what
>we QRPers survive on.

Frankly, I can't see how reciprocity applies at all to many of the

experiences I've had on the bands. I'm still trying to figure out how reciprocal paths must exist, yet my experience some 16 years ago on 30m early in the morning -- where European stations were copying me Q5, but I couldn't hear a peep.

Reciprocity may be a useful mathematical model, which certainly applies in the AVERAGE case. But when it comes to communications at the moment over a particular path, it does not apply to the observed phenomenon.

Unless, of course, everyone runs EXCESSIVE POWER.... <grin>

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 8 Nov 2001 08:36:31 -0500
From: "N3BJ" <alanfryer@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [111006] FS: QRP Rigs
Message-ID: <00ba01c1685a\$61fcfe40\$83756520@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Will be taking the following to the Myrtle Beach Hamfest this Saturday if no takers:

Hands GQ-40 CW xcvr. Nice rig, works FB, 5W ++out (pair of IRF-510s in final), aluminum case, vernier dial, just gone over. Features 6 pole filter, designed to handle EU QRM on 40M, good contest rig. Original docs.

Kit cost \$170, ship for \$105

Norcal NC-20, just gone over, nice shape, works FB, 5W out, AGC mods done. Ten turn pot, audio freq annunciator, etc.

Ship for \$95

For Sale: MXM xcvr for 40M. Kind of rare, not many produced. Features unique dual conversion RX, dual IF filtering, passband tuning. About 3W out, works fine. Complete original documentation.

\$105 shipped

Might consider trades.

Alan, N3BJ
Bent Mountain, VA

Date: Thu, 08 Nov 2001 09:09:42 -0500
From: Mike Maiorana <mikemo@attglobal.net>
To: "Brice D. Hornback" <bdh@cyberbound.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [111007] Re: [Elmer 101] Class starts soon!
Message-ID: <3BEA9226.81A4BF98@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Brice D. Hornback" wrote:

>
> Besides the SW-20+ (and hopefully the differences in the SW-30+) will the
> Freq-Mite and RIT additions also be covered in the class? I think
> understanding in depth the addition of the RIT kit to the rig would be very
> beneficial.

Brice,
I haven't planned on covering the RIT kit, but perhaps I will after we
are done with the transceiver. It is fairly simple and shouldn't take
much to cover it. The Freq-Mite is really all software, so I don't think
we will touch that ;-)
Regards,
Mike M. KU4Q0

Date: Thu, 8 Nov 2001 09:12:32 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <w2agn@pobox.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [111008] Re: QRP Frequencies
Message-ID: <20011108141340.IGPU20773.imf07bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/2/01 1:07 PM, W2AGN at w2agn@pobox.com wrote:

>Try checking:

>

>http://www.qrparci.org/qrp_freqs.html

That's an interesting list!

Most interesting is the QRP Phone frequency of 28.885 -- which is the old TEN-X calling frequency. Most of that activity has moved down around 28.425. It's also used as a VHF/UHF coordination frequency.

--

Also, look at <<http://www.arrl.org/FandES/field/regulations/conop.html>>. This is the ARRL "Considerate operator's frequency guide".

It doesn't list the 17m, 12m, the 15m or 10m novice/tech CW QRP frequencies. It does however list 28.385 as the QRP calling frequency, whereas your earlier reference lists that as a Novice/Tech SSB QRP calling frequency

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

Date: Thu, 08 Nov 2001 08:54:06 -0500
From: Ken Newman <N2CQ@dandy.net>
To: epaqrp-l@Lehigh.EDU, QRP-L@Lehigh.EDU, njqrp@njqrp.org,
n9avg@amsat.org
Subject: [111009] [CONTEST] QRP Contest Calendar Nov 8-30
Message-ID: <3.0.6.32.20011108085406.0093ea20@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

November 8-30, 2001

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#### 40 METER FOXHUNTS

Fox Hunt - Thursdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.

Info: <http://www.cqc.org/fox>

Cub Fox Hunt - Tuesdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.

Info: <http://www.qsl.net/k5di/fox/>

Truffle Hunt - Tue & Thur - 30 min before Fox Hunt

Info: [http://fpqrp.com/pig\\_hunt.html](http://fpqrp.com/pig_hunt.html)

---

#### Japan International DX Contest (phone)

Nov 9 - 2300z to Nov 11 - 2300z

Rules: <http://jzap.com/je1cka/jidx/jidxrule-e.html>

---

#### WAE RTTY Contest (Digital)

Nov 10 - 0000z to Nov 11 - 2400z

Rules: <http://server.darc.de/referate/dx/xedcwr.htm>

---

#### OK/OM DX Contest (CW) ... QRP Category!

Nov 10 - 1200z to Nov 11 - 1200z

Rules: <http://crk.mlp.cz/ENG/DXCONTE.HTM>

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#### LZ DX CONTEST (CW) (Bulgarian Federation of Radio Amateurs)

Nov 17 - 1200z to Nov 18 - 1200z

Rules: <http://www.qsl.net/lz1fw/contest/>

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#### ARRL Sweepstakes (Phone) ... QRP Category

Nov 17 - 2100z to Nov 19 - 0300z

Rules: <http://www.arrl.org/contests/announcements/rules-novss.html>

~~~~~  
HOT Party (CW) ... QRP Category

Nov 18 - 1300z to 1500z (40 Meters)

Nov 18 - 1500z to 1700z (80 Meters)

(HOMEBREW & OLDTIME - EQUIPMENT - PARTY)

Rules: <http://www.sk3bg.se/contest/hotp.htm>

~~~~~  
CQ World Wide DX Contest (CW) ... QRP Category!

Nov 24 - 0000z to Nov 25 - 2400z

Rules: <http://cqwww.com/2001rules.htm>

~~~~~  
Thanks to WA7BNM, K3WWP, SM3CER, ARRL and others
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

**** QRP Contest Calendar ****

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

<http://www.qs1.net/cqrp/contests.html>

Date: Thu, 8 Nov 2001 09:16:16 -0500

From: Bill Coleman <aa4lr@arrl.net>

To: <w1rfi@arrl.org>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [111010] RE: QRP Frequencies

Message-ID: <20011108141724.FWAI6631.imf10bis.bellsouth.net@[192.168.0.21]>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 11/2/01 5:18 PM, Hare,Ed, W1RFI at w1rfi@arrl.org wrote:

>But do not misconstrue -- the FCC's willingness to cite amateurs for
>deliberately operating outside those band plans does NOT make them defacto
>regulations.

I have yet to see the FCC cite any amateurs for "operating outside of
band plans."

There have been several amateurs cited by the FCC for willful
interference, and those violations are coincident with operation outside
the band plans.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 08 Nov 2001 09:33:59 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [111011] Re: Testing loop with small caps and Ant. Analyzer
Message-ID: <3BEA97D7.CBDF0C63@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FYI, I ran my loop spreadsheet for 14 MHz, 6 feet in diameter, putting 10
watts into it, the voltage across the tuning capacitor calculates to 1104
volts. That'll give you an idea what happens in a high Q small loop.
73, Ed,
K2MGM

Date: Thu, 08 Nov 2001 08:45:23 -0600
From: "George, W5YR" <w5yr@att.net>
To: Bill Coleman <aa4lr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [111012] Re: Reciprocity (with a c)
Message-ID: <3BEA9A83.FD80C35E@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Right on, Bill . . .

The problem is that the hams have borrowed the notion of a mathematical "channel" which must meet certain strict restrictions before being granted such properties as reciprocity. In almost all actual ionospheric communications, seldom will true reciprocity prevail. Also, a lot of popular concepts about such channels are based upon the model of a binary channel, which certainly is seldom found in radio communications as we amateurs practice it.

There is also considerable confusion of true channel reciprocity with reciprocity as an outcome or characteristic of linear system operation.

As an example, Karl and Karl would have much more of a test of reciprocity if they would first communicate (or attempt) as they did with Karl and his TH6DXX in NM and Karl in DC with his MP-1. Then move Karl in NM antenna rig and all to DC where Karl II was and vice versa. Now attempt to repeat the communication. If the path were truly reciprocal, then either setup at either end would produce comparable results at the other end.

But, I still fall back on the fundamental notion that conventional channel theory recognizes only common-mode noise within the channel that has equal effect of both terminals, subject to the actual response functions of each end. The idea of independent additive noise sources at each end that are uncorrelated and are not present in the channel pretty well defeats any notion of reciprocity.

Now, if I just managed to spell the R-word correctly every time . . .

Bill, my stuff is so long that I am going to snip most of yours.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Bill Coleman wrote:

> Frankly, I can't see how reciprocity applies at all to many of the
> experiences I've had on the bands. I'm still trying to figure out how
> reciprocal paths must exist, yet my experience some 16 years ago on 30m
> early in the morning -- where European stations were copying me Q5, but I
> couldn't hear a peep.
>

> Reciprocity may be a useful mathematical model, which certainly applies
> in the AVERAGE case. But when it comes to communications at the moment
> over a particular path, it does not apply to the observed phenomenon.
>
> Unless, of course, everyone runs EXCESSIVE POWER.... <grin>

Date: Thu, 08 Nov 2001 09:55:03 -0500
From: Mike Maiorana <mikemo@attglobal.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [111013] [Elmer 101] Of RF probes and multimeters
Message-ID: <3BEA9CC7.F51B67EB@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've received a few questions regarding the RF probe that we are asking everyone to build for the elmer 101 class. The best instructions I've found (so far) on the web are here:

<http://www.io.com/~n5fc/rfprobe1.htm>

The excellent article here generated some questions, specifically regarding the choice of the resistor and construction techniques. Let me try to explain.

The resistor in the circuit changes the RF probe from a "peak reading" probe to an "RMS reading" probe. You can leave the resistor out of the circuit (replace it with a wire) and have a peak reading RF probe. Either one will work for our purposes.

Most digital multimeters have an 11 meg ohm input resistance. In other words, if you connect it to a circuit it looks like an 11 meg resistor to the circuit. So, if you connect it to a 12 volt battery about 1.1 microAmps of current will flow through the volt meter ($I=E/R$). Usually this large amount of resistance does not affect the circuit to any degree, but very high impedance circuits can be drastically altered when you connect a volt meter.

What the resistor does is use the internal resistance of the volt meter as part of a voltage divider. With the resistor in the circuit, part of the voltage that appears across the diode (the peak voltage) is dropped across the 4.7 meg ohm resistor and the other part is dropped across the volt meter itself. The designer picked 4.7 meg ohms because this value gives a close approximation to 70.7% of the voltage being seen by the volt meter. So, if the RF that you are reading is one volt peak, your meter should read .7 volts, or approximately the RMS value of the RF at

the probe.

Now, let me be clear that this device is not a very accurate RF probe, but it is a very functional RF probe. We are not so much concerned about reading actual RF voltages to a high degree of accuracy, but we are interested in detecting the presence of RF and its RELATIVE magnitude. In other words, even if your readings are off by 20% you will still be able to see the DIFFERENCE between 500 milliVolts of RF and 3 Volts of RF. This is what is important.

Build your probe any way you want. All you really need is a germanium diode, a capacitor and some wire. Solder the parts together, use a stiff piece of wire as your probe tip, and wrap it in electrical tape. Use some scrap coax cable as the lead from the probe to the volt meter. Sure, it would be better to use careful construction as detailed in the web page with double sided circuit board and copper pipe shielding, but a simple RF probe should work fine.

You can get copper pipe at your hardware store and circuit board material from Radio Shack. I don't think you would have to solder the end caps of the pipe in place. Just make sure they are clean and fit snugly. The shoulder washer prevents the probe tip from shorting to the copper case. You can also just leave some insulation on the wire so the wire can't touch the case where it leaves the hole. Don't be afraid to try something that is not listed. There are many ways to skin this cat.

Good luck,
Mike Maiorana, KU4QO

Date: Thu, 8 Nov 2001 10:19:41 -0500
From: "Caitlyn M. Martin" <ku4qd@qsl.net>
To: kenwood@qth.net, vhf@w6yx.stanford.edu, qrp-1@lehigh.edu
Subject: [111014] WANTED: Kenwood BC-1 or TK-1 wall cube
Message-ID: <20011108101941.0eb3fc99.ku4qd@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi,

I am looking for a Kenwood BC-1 or TK-1 wall cube. These were used as chargers for some handhelds, and also as the battery backup units for a bunch of their radios, including the TR-9000 and my TS-660. If you have one to spare, please e-mail me.

Thanks and 73,

Caity
KU4QD

Date: Thu, 08 Nov 2001 15:20:12 -0500
From: Ronald Hands <ronald.hands@sympatico.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [111015] FS: RS DSP
Message-ID: <3BEAE8FC.2020909@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Time to clear out some unused items:

Radio Shack DSP unit (21-543), as new, in box with manual.
\$40 (U.S.) plus shipping. Bought it as a backup for my MFJ 784b
but have never had to use it.

Drake DL300 dummy load, Model 1550. 1.1:1 0-30 mhz, 1.5:1 max
30-160 mhz. This is a big non-inductive resistor enclosed in
perforated case; I believe it was designed to handle up to 300
watts. \$30 (U.S.) plus shipping.

MFJ 451x keyboard keyer (without keyboard -- use any standard
AT keyboard) \$75 (U.S.) plus shipping. (I have two of them; only
need one, it seems.) With manual.

-- Ron VE3SP

Date: Thu, 8 Nov 2001 15:25:29 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<k5di@arrl.net>
Cc: <QRPP-I@yahoogroups.com>
Subject: [111016] FOX - CUB HUNT NUMBER 2 (FINAL LOG)
Message-ID: <082901c16893\$82f8a8e0\$7001a8c0@lwinc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

CUB FOX HUNT NUMBER 2 - NOVEMBER 6, 2001

HTML formatted version of the this log can be seen at:
http://www.QRPp-I.com/CUB_FOX_LOG_2.htm

UTC Call RST State Name Power

0210 W0CH 559 MO DAVE 5W
0212 * W5YR 559 TX GEORGE 5W
0213 AF4PS 559 FL HENRY 5W
0214 N1TP 559 FL TOM 5W
0215 * AA50 559 LA VERN 5W
0216 N4MAP 559 GA SAM 5W
0218 KK5LD 559 TX JIM 5W
0221 * N7TX 559 TX STEVE 5W
0222 W2OT 449 NJ MARTY 5W
0223 * WR50 589 TX DAVE 5W
0224 K5DI 559 NM KARL 5W
0225 KE6TI 599 IN HAROLD 3W
0226 * WS4S 559 TN CONRAD 5W
0227 * WA9TZE 559 WI JIM 5W
0228 * WB9KIF 559 IN TONY 5W
0240 W5USJ 559 TX CHUCK 5W
0252 K5DW 559 TX DON 5W
0316 KI0II 559 CO RON 2W
0319 VE4WI 559 MB CRAIG 5W
0400 KA8MAV FOX IN BRICE 3W

* Pelt Handed Out By K5DI

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPp-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27

Date: Thu, 8 Nov 2001 08:50:47 -0700
From: "AB0CD" <ab0cd@uswest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "cqclist" <CQCLIST@EGROUPS.COM>
Subject: [111017] Colorado QRP Club Memebers: Meeting Nov. 10
Message-ID: <00e901c1686d\$2245ac80\$354cb5d1@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Colorado QRP Club Members:

A final reminder about our next meeting, Saturday 10 a.m. Nov. 10 at the Bonfils Blood Center on the Lowry Campus. Check the website -- WWW.CQC.ORG -- for directions.

Some interesting presentations are in the offing, including WBOJNR's harrowing trip to China and some comments from WOHEP on QRP DX activity. Bring your rigs, accessories and technical questions.

We will have a lunch arranged on site.

Plus a big congratulations to the CQC Field Day Team for finishing 3rd overall in the event and setting a new 3A Battery record.

On to 4A Battery for 2002!

72 Dick AB0CD..

Date: Thu, 08 Nov 2001 14:04:46 -0600
From: "DONALD G. DORN" <DDORN@CWIS.NET>
To: Low Power Amateur Radio Discussiion <QRP-L@lehigh.edu>
Subject: [111018] NE 602 BAL MOB
Message-ID: <3BEAE55E.81E48D1D@CWIS.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A big thanks to all who answered my question about how to unbalance the NE602. I received some very informative suggestions on and off the list and plan to try them all when I have time. It just shows once again, if you have questions there are people here who have answers. Thanks again folks. I'll report how I make out with the various methods.

73,

Don K5AAR
Lake Eufaula, Ok

Date: Thu, 08 Nov 2001 12:54:08 -0600
From: Michael Melland <w9wis@charter.net>
To: QRP-L <qrp-l@LEHIGH.EDU>
Subject: [111019] Index Labs Companion ?
Message-ID: <NEBBLKAGEKBNGELOFFCAGEKHDCAA.w9wis@charter.net>

MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Anyone have any information about the Index Labs "QRP Companion". The antenna tuner/noise bridge/4.5 amp hour rechargeable power source ? I just bought one but it hasn't arrived yet. Wondering what type of tuner it utilizes... "L" perhaps ?

73

--
Michael Melland, W9WIS
QRP-L #1656 QRPARCI #9875
SOC #142 FPQRP #244 IPARC #252
EN54pc Winnebago Cty, Wisc.

Date: Thu, 8 Nov 2001 12:37:00 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'DBirn61340@aol.com'" <DBirn61340@aol.com>
Cc: "QRPL (E-mail)" <qrp-l@Lehigh.EDU>
Message-ID: <1D74B9231259D511B1AA0002B32C2896150C50@az10exm06.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>From what you are describing, it sounds like the basic counter is working fine. The problem must be at the input to the counter.

You might check to see if the input capacitor (0.1 uf) is ok and that its solder connections are good. If you have a MJF antenna analyzer, you could drive it with that to check the input to the counter.

Make sure you have a good connection to (not open or shorted) the circuit you are trying to measure. One person had a whisker from a coax shield short out his input.

You only need 30 mV or so to drive the counter. It is very sensitive. Make sure that you are picking off a point that has a good level. For the 40m 2N2222 rig, I suggest measuring at T6 pin 4 where it the buffered VFO feeds the receiver mixer (<http://www.qsl.net/k8iqy/2n2sche.html>). You ought to have a volt or two of RF at that point.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 08 Nov 2001 13:19:23 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [111021] List working?
Message-ID: <F154NNEHkRs20fX8o8P00015d49@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Is the list working, or is there just not much activity today?

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."

Albert Einstein (1879-1955)

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 8 Nov 2001 09:05:13 -0800
From: "Andreas Junge - ATT" <ajunge1@home.com>
To: <k3tks@u1.abs.net>,
"Low Power Amateur Radio Discussion" <qrp-l@LEHIGH.EDU>
Subject: [111022] RE: Suggested QRP Frequencies
Message-ID: <MFEOKMHFGOMOE0JFJILAKEAOGIAA.ajunge1@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

This is the result from my vote page:

<http://n6nu.dhs.org/vote.php>

The question was:

Do you see a need to change the QRP calling frequencies?

Yes : 4% (1 votes)

No : 88% (22 votes)

Don't care : 8% (2 votes)

The data is cleaned up since one person decided to vote 60 times. Well...
I will leave it there for another day, just in case you did not give me your
feedback yet.

72,

Andreas, N6NU

Date: Thu, 8 Nov 2001 15:22:48 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [111023] KITS: True RMS Digital RF Power Meter
Message-ID: <200111081952.fA8Jpxs15237@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Back by popular demand, the second run of 50 true rms digital power
meters is in the works. They should be ready to ship by the end of
the month. Picture and discription can be found on my web site, url
in the sig line. Please send me an email if you'd like to reserve a
kit. These sold out pretty fast the first time!

The meter has a full scale of 9.999 watts, with 1 mw resolution.
Built in 10 watt dummy load, this is NOT an in line meter.
Four digit LED display
Accuracy is 3% or better, 500 KHz to 100 MHz. No calibration
required. Uses the Analog Devices AD8361 rms detector chip. Price is
\$59.95 post paid.

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Thu, 8 Nov 2001 14:49:51 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <wphinizy@filenet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@LEHIGH.EDU>
Subject: [111024] Re: OT of the Year Award: On-Glass Antenna Removal
Message-ID: <20011108195059.HVVD2795.imf14bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/7/01 4:13 PM, Phinizy, William at wphinizy@filenet.com wrote:

>I am in the process of divesting myself of my old beast of burden and she
>has two Larsen on-glass antennas mounted on her. Is there a method to
>removing them aside from the old "putty knife" pry-and-scrape?

I removed a Larsen KG-2/70 from my old Honda with the putty knife method.
I then removed the remnants from the antenna (and the car), using a flat
razor in a holder.

>Solvent? Acetone? Red fuming nitric acid?

Not recommended. Anything that would get rid of the adhesive would likely
etch the glass, not to mention be very dangerous to handle.

I finally installed the KG-2/70 on my Saturn after three years. You can
buy re-attach kits from Larsen for about \$5. Mine's been on the Saturn
for about 4 years now.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 8 Nov 2001 13:55:38 -0500
From: "Mike Yettsko" <myetsko@insydesw.com>

To: <iflyos@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [111025] Re: Need advice (OT)
Message-ID: <002801c16886\$fa3d1ce0\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmm, I'm not THAT familiar with the B&K scopes anymore, but I would venture to say that ANY scope that is above the classification of the old 'cathode ray oscillograph' is worth 3 digits. While new scopes are dropping in price, older scopes in 'clean' and workable conditions seem to sit fairly high up in value.

In fact, just this summer I was looking for one, and ended up not finding what I wanted that I felt was 'worth the money', until I ran into an old Fluke Scopemeter for \$400.

It's really hard to judge a price at all without a description of the equipment. I've seen 20 year old scopes that are cherry and demand top dollar just for looks. Then I've seen a 465B that went for a song because it was covered with a 'film' of dirt...

So, if nothing else, and to satisfy a lot of curiosity here, it would probably help to post a better description of the items, including cosmetics.

Mike

> With the wealth of knowledge on this list, maybe someone can help me
> out with this slightly off topic post.
>
> I have aquired the following items, and need to get approximate values
> for them:
>
> B&K Precision O-scope model 1472-B w/2 probes
> B&K Precision model 520 Transistor Tester
> B&K Precision model E-2000 RF Signal Generator
> Eico 378 Audio Signal Generator
>
> I have to clean out the shack in order to purchase a kit for the Elmer
101
> class.
>

> Tim A. King, Jr.

Date: Thu, 8 Nov 2001 09:53:22 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Marshall Emm <mgemm@ntechnologies.com>
Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [111026] Fox - 40 mtr Fox Hunt Teams - Final Lineup -
Message-ID: <Pine.LNX.4.33.0111080950010.6838-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I wonder which one of these Teams will have their names & calls
engraved on the beautiful plaque?...Good luck to all the Teams!...

- | | |
|--|--|
| (1) - The Cajun Thunder (Gold) -
Wayne - K5E0A
Jim - N5IB
Vern - AA50
Tom - AC5JH
Wayne - N5YFC | (2) - The Cajun Thunder (Purple) -
David - W5XU
Michael - KD5MLD
Bob - AB5ZD
Gloria - WD5CMA
Mike VI - W5YW |
| (3) - The Cheeseheads -
Jerry - N9AW
Rick - NK9G
Jim - WA9TZE
Lon - W9XU
Glenn - WE9K | (4) - The Fox Terrors -
Tom - KV2X
Mike - NM5M
Tod - AG0T
Conard - WS4S
Bob - N6WG |
| (5) - The Kentucky Coon Dawgs -
Tony - KB9YIG
Randy - W9HL
Dave - NU4N
Bill - N4ALG
Pete - NV4V | (6) - The NE-TX Tornados -
George - W5YR
Don - K5DW
Chuck - W5USJ
George - KR5C
Mike - KD5KXF |
| (7) - The Prairie Dawgs -
Doc - W5TB
Craig - VE4WI
ET - N1FN
Jeff - VA3JFF | (8) - The Raiders of the Lost RF -
Earl - VA6RF
Fred - VE3FAL
Rob - VE6JAZ
Dan - VE6EX |

Dick - AB0CD

Bruce - VE5RC

(9) - The Swamp Rats -

Paul - K4FB

Jack - K4BYF

Tom - N1TP

Mac - AF4PS

Doc - K0EVZ

(10) - The Underdogs -

Dan - N4ROA

Dave - W0CH

Randy - K7TQ

Art - KB7WW

Ron - KI0II

.72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

Date: Thu, 8 Nov 2001 14:21:38 -0500

From: Bill Coleman <aa4lr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [111027] Re: QRP Frequencys (long-ish)

Message-ID: <20011108192246.NSJQ12623.imf01bis.bellsouth.net@[192.168.0.21]>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 10/30/01 7:45 PM, Darrel Swenson at k0awb@tconl.com wrote:

>This or similar threads always seem to develop after a large contest.

>Band domination by large contests has long been one of my frustrations.

>Many contests are so large, that they spread out over the entire

>available band, ignoring a lot of the "band plan."

Actually, this isn't true. While the very largests of contests are likely to spread over all spectrum available for a particular mode, just about everyone follows the band plan appropriate to their area. Indeed, in the recent CQWW SSB, we had widespread compliance with the new 160m bandplan, which placed SSB above 1843 kHz.

The SSB signals you heard on 40m were perfectly legal and in accordance with the bandplan for Region 1 and 3.

The vast majority of contests cover only one mode. There are a few exceptions (The ARRL 10m, the IARU) While the spectrum for that mode is in use, the spectrum for other modes is largely unoccupied. Switching to another mode for that contest weekend is a good way to avoid contest QRM.

>I would like to see the contest organizers specify band limits for
>contest contacts, leaving small segments of each band open for regular
>QSO's during the contest.

There are two reasons why this won't happen. First, there are LARGE SEGMENTS of the bands open during a contest weekend. There's no need for "non-contest" band segments. Indeed, there are whole bands which are entirely unused for contests (30m, 17m, 12m).

Second, because the entire world doesn't share the same allocations, any segment you set aside will adversely affect someone. A couple of years ago, the ARRL tried to set aside 28.3-28.35 as a non-contest area for the ARRL 10m contest. Funny how that was the exact spectrum allocation that Argentinian novices can use for contest operating on SSB. Ouch.

>I know, most contests only occur one weekend a year, but if you check,
>you will have a hard time finding any weekend that doesn't have some
>kind(s) of contest going on.

Most contests don't have widespread, worldwide participation on (the harmonically related) bands. There's only a handful of contests that have that level of activity, and only cover a few weekends: CQWW (3), CQ WPX (2), ARRL DX (2), IARU (1). That's eight weekends, and except for the IARU, the other modes on the bands should be open.

>Some bands are small enough that becomes
>difficult. Presumably that is why contesting is not allowed on the 50
>kHz band at 30M or the 100 kHz bands at 17M & 12M.

30m is not a world-wide amateur exclusive allocation. There are still many Fixed service operators on that band around the world. For this reason, contests on 30m are discouraged.

There's no similar prohibition for 17 and 12m, but tradition really limits operation to the harmonically related bands (160, 80, 40, 20, 15, 10m). I think that's a good thing. You won't find contests on 30, 17, or 12 meters. There's your contest-free zones. If you really hate contests, I suggest you spend a lot of your operating time on these bands.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 08 Nov 2001 11:40:33 -0800
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [111028] Results of the NOVEMBER SPARTAN SPRINT
Message-ID: <B8101FB1.A3CE%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The November Spartan Sprint will stay in our memories for a long time. Mother Nature produced a spectacular light show, which was visually beautiful and electronically bizarre. None of the sprinters got huge scores, but all of us took a propagation sleigh ride.

Each contact received one point. If you didn't tell us the weight of your station, or if it weighed more than all the streaming electrons in that aurora, we assigned a weight of 30 pounds.

The soapbox has been published separately in the November issue of The ARS Sojourner, which went live today. Don't miss it! <http://www.natworld.com/ars>

THE SKINNY DIVISION (results sorted by points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Points	Wt.	Points/ Pound
AK7Y	Greg	0	21	29	0	0	50	2.16	23.15
W0CH	David	0	0	25	0	0	25	1.12	22.32
K7TQ	Randy	0	0	20	0	0	20	1.06	18.87
K4FB	Paul	0	23	24	0	0	47	3	15.67
NN7CEE	Bruce	0	17	11	0	0	28	2.2	12.73
N9JXY	Denny	0	5	0	0	0	5	.41	12.20
K4FDK	John	0	12	0	0	0	12	1.2	10.00
N3AO	Carter	0	8	17	0	0	25	2.5	10.00
K4MF	Gary	0	10	17	2	0	29	3.35	8.66
WA7LNW	Jack	0	19	31	0	0	50	5.8	8.62
K4GT	Jim	0	2	12	0	0	14	2	7.00
KB9LCK	Chris	0	2	7	0	0	9	1.3	6.92
KH6B	Dean	0	15	14	0	0	29	4.5	6.44

N0TK	Dan	0	13	12	0	0	25	5	5.00
N6GA	Cam	0	16	14	0	0	30	8	3.75
AD6JY	Dan	0	15	0	0	0	15	5	3.00
N4HAY	Dick	0	5	12	0	0	17	6	2.83
KW5JS	John	0	8	8	0	0	16	7	2.29
W1PID	Jim	1	2	2	0	0	5	2.5	2.00
W2BVH	Lenny	0	11	3	0	0	14	7	2.00
WD0DDU	Layne	0	0	4	0	0	4	2.4	1.67
KB7MBI	Alan	0	0	9	1	0	10	6	1.67
K3TW	Tom	0	23	23	0	0	46	30	1.53
K7RE	Brian	0	7	38	0	0	45	30	1.50
K0BFT	Jim	0	0	6	0	0	6	4	1.50
KD5LX	Bob	0	11	5	0	0	16	11.4	1.40
K6PZB	John	0	20	20	0	0	40	30	1.33
NM5M	Eric	0	23	25	0	0	48	40	1.20
KA8LLE	Ben	1	10	1	0	0	12	12	1.00
AB6QR	Dennis	0	2	12	0	0	14	15	0.93
N7NLN	George	0	5	0	0	0	5	6	0.83
K9QIL	Ken	0	0	1	0	0	1	1.4	0.71
AA7QU/MM	Russ	0	9	9	0	0	18	30	0.60
KD3FG	Jon	0	1	5	0	0	6	10	0.60
WA8NTA	Dick	0	0	13	0	0	13	30	0.43
KA9IKK	Bill	0	0	8	0	0	8	20	0.40
W0UFO	Mert	0	1	6	0	0	7	20	0.35
K8KFJ	Garie	0	6	4	0	0	10	30	0.33
WE7G	Wayne	0	6	3	0	0	9	30	0.30
N1SB	Steve	0	1	7	0	0	8	30	0.27
KI0II	Ron	0	1	0	0	0	1	4.5	0.22
WV0H	Myron	0	0	3	0	0	3	15	0.20
VE6QSL	John	0	0	2	0	0	2	30	0.07

THE TUBBY DIVISION (results sorted by points)

Call	Name	80m	40m	20m	15m	10m	Total Points
WA7LNW	Jack	0	19	31	0	0	50
AK7Y	Greg	0	21	29	0	0	50
NM5M	Eric	0	23	25	0	0	48
K4FB	Paul	0	23	24	0	0	47
K3TW	Tom	0	23	23	0	0	46
K7RE	Brian	0	7	38	0	0	45
K6PZB	John	0	20	20	0	0	40
N6GA	Cam	0	16	14	0	0	30
K4MF	Gary	0	10	17	2	0	29
KH6B	Dean	0	15	14	0	0	29
NN7CEE	Bruce	0	17	11	0	0	28
W0CH	David	0	0	25	0	0	25

N0TK	Dan	0	13	12	0	0	25
N3AO	Carter	0	8	17	0	0	25
K7TQ	Randy	0	0	20	0	0	20
AA7QU/MM	Russ	0	9	9	0	0	18
N4HAY	Dick	0	5	12	0	0	17
KW5JS	John	0	8	8	0	0	16
KD5LX	Bob	0	11	5	0	0	16
AD6JY	Dan	0	15	0	0	0	15
K4GT	Jim	0	2	12	0	0	14
W2BVH	Lenny	0	11	3	0	0	14
AB6QR	Dennis	0	2	12	0	0	14
WA8NTA	Dick	0	0	13	0	0	13
K4FDK	John	0	12	0	0	0	12
KA8LLE	Ben	1	10	1	0	0	12
K8KFJ	Garie	0	6	4	0	0	10
KB7MBI	Alan	0	0	9	1	0	10
WE7G	Wayne	0	6	3	0	0	9
KB9LCK	Chris	0	2	7	0	0	9
N1SB	Steve	0	1	7	0	0	8
KA9IKK	Bill	0	0	8	0	0	8
W0UFO	Mert	0	1	6	0	0	7
KD3FG	Jon	0	1	5	0	0	6
K0BFT	Jim	0	0	6	0	0	6
W1PID	Jim	1	2	2	0	0	5
N9JXY	Denny	0	5	0	0	0	5
N7NLN	George	0	5	0	0	0	5
WD0DDU	Layne	0	0	4	0	0	4
WV0H	Myron	0	0	3	0	0	3
VE6QSL	John	0	0	2	0	0	2
K9QIL	Ken	0	0	1	0	0	1
KI0II	Ron	0	1	0	0	0	1

Thanks for supporting The Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 8 Nov 2001 15:33:10 EST
From: IamSF5@aol.com
To: fpqrp-1@mpna.com
Cc: qrp-1@lehigh.edu
Subject: [111029] Need help with FCC
Message-ID: <29.1d63bbfe.291c4606@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I'm trying to update my new address but got lost on the QRZ'ed site.
I contacted my local VEC where i'm going to take my extra and was told to use the form.
I can't contact FCC because they have only FAX machines and I can't seem to send the FAX.
I keep getting "OFF HOOK
Can any out of state VEC do this for me for the fee stated by FCC?
I want to try to get to the testing area with the updated license before the end of the month.
Another local ham told me that my license can be updated when I go for the test but this is not official.
Any help will be greatly appreciated.
Thanks
Bob
WA2HQrp <tm>

Date: Thu, 8 Nov 2001 12:52:20 -0800 (PST)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: russ@natworld.com
Subject: [111030] Now Showing - The ARS Sojourner
Message-ID: <20011108205220.7307.qmail@web12106.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The November edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, is hot off the virtual press and just a click away at:

<http://www.natworld.com/ars>

Here's what's in store:

ARS MEMBER ADVENTURES, INCLUDING:

- + Going Bicycle Mobile: From a Beginner's Point of View, by Bill Jones, KD7S
- + Adventuring with the Catacanoe, By John Ceccherelli, N2XE
- + Kings Peak, Utah: An ARS "Top of the World" Adventure, by Dr. Bob Armstrong, N7XJ
- + Top of the World Challenge The Summit of Saskatchewan, By Pat

Byers, VE6AAN

+ On Target! An Outdoor Signaling Adventure, by Dr. Bob Armstrong, N7XJ
+ Revisiting an FOBB Convergence: The Saga of N7LT, by Lyndel Thiesen,
N7LT

ON-AIR ACTIVITY REPORTS, INCLUDING:

+ Results and soapbox comments from the November Spartan Sprint, with
recognition of champs AK7Y and WA7LNU in their respective divisions.
+ Wilderness Alerts for December, 2001 (regularly updated) and the
automated form for telling us about your upcoming adventure
+ Upcoming ARS events, including announcement of the December Spartan
Sprint, Dec. 3, 2001

REGULAR MONTHLY FEATURES, INCLUDING:

+ From Our Vantage Point, an ARS editorial
+ Who's Who and Who's New: New Members of the Adventure Radio Society,
by Richard Fisher, KI6SN

On behalf of webmaster Russ Carpenter, AA7QU, The ARS Sojourner staff
and contributing writers, we hope you enjoy this edition. As always, we
appreciate your feedback and editorial contributions for coming
editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do You Yahoo!?
Find a job, post your resume.
<http://careers.yahoo.com>

Date: Thu, 8 Nov 2001 13:53:47 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [111031] Re: OT of the Year Award: On-Glass Antenna Removal
Message-ID: <005201c16897\$780aab00\$64142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Subject: Re: OT of the Year Award: On-Glass Antenna Removal

I've got a pair of Antenna Specialist on glass antlers on the third vehicle in ten years. No secret to getting them off--I use a sharpened putty knife. I install them with Radio Shack (horrors!!) silicon sealant. Never had one come off but I try to keep the speed down under 90.

Bob Baxter AA7EQ
Bisbee, Az.

Date: Thu, 08 Nov 2001 15:54:34 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [111032] Elmer 101 RF probe
Message-ID: <5.0.2.1.0.20011108154357.00aa4c20@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I agree with all the posts and thanks to all.
I was wondering if the probe could be made lighter (weightwise} and less prone to a circuit disaster.
One that I made was in a plastic toothbrush box another in a can from a junk VCR.
I'm sure others have lots of ideas.
73
Pete NV4V

Date: Thu, 08 Nov 2001 15:12:03 -0600
From: "George, W5YR" <w5yr@att.net>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [111033] Re: FOX - CUB HUNT NUMBER 2 (FINAL LOG)
Message-ID: <3BEAF523.57F132E6@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Brice, for including those * contacts . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Brice D. Hornback" wrote:

>
> CUB FOX HUNT NUMBER 2 - NOVEMBER 6, 2001
>
> HTML formatted version of the this log can be seen at:
> http://www.QRPp-I.com/CUB_FOX_LOG_2.htm
>
> UTC Call RST State Name Power
> -----
> 0210 W0CH 559 MO DAVE 5W
> 0212 * W5YR 559 TX GEORGE 5W
> 0213 AF4PS 559 FL HENRY 5W
> 0214 N1TP 559 FL TOM 5W
> 0215 * AA50 559 LA VERN 5W
> 0216 N4MAP 559 GA SAM 5W
> 0218 KK5LD 559 TX JIM 5W
> 0221 * N7TX 559 TX STEVE 5W
> 0222 W20T 449 NJ MARTY 5W
> 0223 * WR50 589 TX DAVE 5W
> 0224 K5DI 559 NM KARL 5W
> 0225 KE6TI 599 IN HAROLD 3W
> 0226 * WS4S 559 TN CONRAD 5W
> 0227 * WA9TZE 559 WI JIM 5W
> 0228 * WB9KIF 559 IN TONY 5W
> 0240 W5USJ 559 TX CHUCK 5W
> 0252 K5DW 559 TX DON 5W
> 0316 KI0II 559 CO RON 2W
> 0319 VE4WI 559 MB CRAIG 5W
> 0400 KA8MAV FOX IN BRICE 3W
>
> * Pelt Handed Out By K5DI
>
> 72/73 DE KA8MAV (Brice)
> Indianapolis, IN EM79au
> QRPp-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
> KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Thu, 8 Nov 2001 14:15:18 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [111034] FOX: Cub Fox Web Page
Message-ID: <Pine.LNX.4.33.0111081413450.2039-1000000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The data for the first 2 Cub Fox Hunts are now on the web page.
See it at:

www.qsl.net/k5di/fox

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Thu, 8 Nov 2001 16:29:24 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <Brad.Bradfield@motorola.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [111035] Re: Paddles question
Message-ID: <20011108213031.MHBC23805.imf02bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 10/26/01 2:33 PM, Bradfield Brad-P53117 at Brad.Bradfield@motorola.com wrote:

>I personally hate (Read that HATE!!) Benchers and always have. They just
>plain feel mushy to me.

My problem with Benchers is they fly apart when I use them. You slap a
paddle hard enough and PING! the whole thing comes off it's hinges....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

Date: Thu, 08 Nov 2001 16:31:46 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [111036] Current issue of CQ Magazine - anyone?
Message-ID: <000701c1689c\$c535aa60\$835dbc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

This month's issue of CQ has an article on 80m DXing and the full moon (seriously!). The article mentions a link to a web site that gives a view of the Earth from the moon's point of view. If someone could forward that link to me, I'd be eternally grateful!

Thanks and 73,

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Thu, 08 Nov 2001 15:32:32 -0600
From: "George, W5YR" <w5yr@att.net>
To: aa4lr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [111037] Re: Paddles question
Message-ID: <3BEAF9F0.77F2E2D1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That's what you get for talking too loud! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Bill Coleman wrote:

> My problem with Benchers is they fly apart when I use them. You slap a
> paddle hard enough and PING! the whole thing comes off it's hinges....

Date: Thu, 08 Nov 2001 16:35:48 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: aa4lr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [111038] Re: Paddles question
Message-ID: <3BEAFAB4.62DF1F6F@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got a Bencher paddle, bought sometime around 1995, that has a small screw holding each paddle arm. It does not come apart without a screwdriver!

The older Bencher paddle I have does not have these screws...and suffers the same problem Bill describes below. It would be pretty easy to drill and install a similar fastener to the older arms.

73
Paul K4FB

Bill Coleman wrote:

>
> My problem with Benchers is they fly apart when I use them. You slap a
> paddle hard enough and PING! the whole thing comes off it's hinges....
>

Date: Thu, 8 Nov 2001 21:31:25 +0000
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [111039] OT the (C)old country
Message-ID: <E161wpr-00030j-00.2001-11-08-21-35-44@mail12.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gangue,

Looking out of shack at first snowfalls of winter here in=
Edinburgh
Scotland.

Oh well, where did I put that design idea for a set of peltier
underpants!

Regards

Mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeseerve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeseerve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Thu, 08 Nov 2001 16:44:59 -0500
From: John Wagner <john@wagner-usa.net>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [111040] Re: Elmer 101 RF probe
Message-ID: <3BEAFCDB.66E4CF8A@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There was a plan I saw somewhere on the web, but don't remember exactly
where. It was an RF Probe built into a cigarette lighter power adapter
from Radio Shack. I built one this way and it was a great enclosure.

73 de John, N1QO

Pete Burbank wrote:

>
> I agree with all the posts and thanks to all.
> I was wondering if the probe could be made lighter (weightwise} and less prone
> to a circuit disaster.
> One that I made was in a plastic toothbrush box another in a can from a
> junk VCR.
> I'm sure others have lots of ideas.

> 73
> Pete NV4V

--

John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Thu, 8 Nov 2001 16:45:13 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mel@euramcom.freemove.co.uk>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [111041] Re: OT the (C)old country
Message-ID: <01b001c1689e\$aded0e00\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Hi gangue,
>
> Looking out of shack at first snowfalls of winter here in Edinburgh
> Scotland.
>
> Oh well, where did I put that design idea for a set of peltier
> underpants!
>
> Regards
>
> Mel

Well, if you need help with a controversial topic, just ask! Then your
bottom will get warm!

Mike

Date: Thu, 8 Nov 2001 16:49:38 EST
From: Qrpop@aol.com
To: TenTec@contesting.com, qrp-l@lehigh.edu
Subject: [111042] FS: TT509
Message-ID: <3b.1cec535c.291c57f2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I have a Very nice TT509 for sale. Includes mic (TT banana with stand), manual.

Price is \$215 + shipping.

If you are interested please e-mail W2IV@arrl.net, call 716- 649-6247.

Tnx es 73, John W2IV

Date: Thu, 08 Nov 2001 13:08:42 -0900
From: Jim Larsen AL7FS <AL7FS@ARRL.NET>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [111043] [Elmer 101] RF probe URLs - a sample JFF de AL7FS
Message-ID: <3BEB026A.313FCE68@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

JFF (Just For Fun) I did a Google.com search on RF Probe.

<http://www.io.com/~n5fc/rfprobe2.htm> Really cool tool!!
http://www.njqrp.org/mbrproj/rf_probe.html Cigarette Lighter RF Probe

<http://hem.passagen.se/sm0vpo/begin/probe-01.htm>
<http://www.qsl.net/g3pto/probe.html>
<http://sound.westhost.com/project74.htm>
<http://www.seits.org/features/rfprobe.htm>
<http://www.seits.org/features/rfprobe.gif> (link in article wrong)
<http://www.njqrp.org/atlanticon%202000/rfprobe.html>
<http://www.w3pages.net/w3/circuit/rfprobe.html>
<http://www.wcsb.org/ant/wcsbpt7.html>

More than you ever wanted. :-)

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Thu, 8 Nov 2001 17:20:17 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <AL7FS@ARRL.NET>

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [111044] Re: [Elmer 101] RF probe URLs - a sample JFF de AL7FS
Message-ID: <08fa01c168a3\$8c5dccc0\$7001a8c0@lwinc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Which RF Probe is the MOST accurate and precise?

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27

QRPP International & Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

----- Original Message -----

From: Jim Larsen AL7FS <AL7FS@ARRL.NET>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, November 08, 2001 5:08 PM
Subject: [Elmer 101] RF probe URLs - a sample JFF de AL7FS

> JFF (Just For Fun) I did a Google.com search on RF Probe.
>
> <http://www.io.com/~n5fc/rfprobe2.htm> Really cool tool!!
> http://www.njqrp.org/mbrproj/rf_probe.html Cigarette Lighter RF Probe
>
> <http://hem.passagen.se/sm0vpo/begin/probe-01.htm>
> <http://www.qsl.net/g3pto/probe.html>
> <http://sound.westhost.com/project74.htm>
> <http://www.seits.org/features/rfprobe.htm>
> <http://www.seits.org/features/rfprobe.gif> (link in article wrong)
> <http://www.njqrp.org/atlanticon%202000/rfprobe.html>
> <http://www.w3pages.net/w3/circuit/rfprobe.html>
> <http://www.wcsb.org/ant/wcsbpt7.html>
>
>
> More than you ever wanted. :-)
>
> 73, Jim
> --
> Jim Larsen, AL7FS, Anchorage, Alaska
> (BP51cc) - 61.101 North, 149.824 West
> <mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

>

Date: Thu, 08 Nov 2001 15:57:48 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [111045] Magic Antenna Lengths (longish)
Message-ID: <3BEB0DEC.7F6CF323@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

'Tis time for my yearly QRP-L post.....

Gang,

I have recently been considering the various lengths of dipole antennas for multi-band operation. LB Cebik (W4RNL) has written extensively on the 88 foot and 44 foot dipole antennas (see <<http://www.cebik.com/88.html>>). These lengths lend themselves well to multiple band usage when used with a low loss (as in open ladder line) feeder. The 88 foot length is popular for 80-20 meter operation and the 44 foot length is popular for 40-10 meter operation. Here is some stuff I have figured out.

Let's consider the 88 foot length first. The reason for the "magic" 88 foot length is two fold. Firstly (as the English say), it produces a broadside pattern for the 80-20 meter range. Secondly, the SWR and efficiency on 80 meters is still a "reasonable" figure. So how do we arrive at this length? To answer that question, let's consider the highest frequency - in this case 20 meters. A 88 foot dipole on the 20 meter band is a Double Extended Zepp. That means the antenna is 5/8 wave long on either side of the center insulator. The Double Extended Zepp is the longest dipole that will still produce a broadside pattern in its main lobe. You can prove this to yourself by modeling the antenna with your favorite antenna modeling software. On 20 meters, the 88 foot length dipole produces about 3 db gain over a similar height 1/2 wave dipole. On the 80 meter band, the same antenna has just a small amount less gain than a full size 1/2 wave length dipole at the same height. EZNEC reports the SWR on 80 meters at about 50:1 (using 450 ohm line). On 20 meters the SWR is considerably less - about 13:1. SWR is also somewhat dependent on the height above ground. These SWR values require very low loss feedlines. The recommended feedline is open ladder line with your favorite parallel line tuner.

As mentioned above, the 44 foot dipole operates well over the 40-10

meter bands. On 10 meters, the 44 foot length is a Double Extended Zepp with gain. On 40 meters, the length is shorter than a 1/2 wave dipole but still has good efficiency. The SWR values are similar to those stated for the 88 foot model.

Looking closely at the two antennas, a pattern emerges. To make a generic dipole with a broadside pattern for a large frequency range, we can pick the highest frequency to be used and calculate a Double Extended Zepp. The antenna is then usable down to a frequency of that highest frequency divided by 4. Here are a couple of formulas:

$$L = 1232 / F_h(\text{mhz})$$

$$F_l(\text{mhz}) = F_h(\text{mhz}) / 4$$

Where L = Length of dipole in feet, and F_l = Lowest usable frequency in mhz.

Here is an example.

$$F_h = 21 \text{ mhz}$$

$$L = 1232 / 21 = 58.7 \text{ feet}$$

$$F_l = 21 / 4 = 5.25 \text{ mhz}$$

So, a 58.7 foot dipole would give a broadside pattern from 5.25 mhz to 21 mhz and at 21mhz have approximately 3 db gain over a 1/2 wave dipole. Why would we be interested in this antenna? Well if we ever get some band between 80 and 40 meters, it might make sense! Other band/frequency combinations also work out well. A 68 foot dipole (dang that's close to a 1/2 wave dipole for 40) works well on 40-17 meters producing 3 db gain on 17 meters. For SWLing, a 70 foot dipole would be a useful length.

Hope some of this is useful to other folks.

--

73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page <http://www.haigwood.org>

Date: Thu, 8 Nov 2001 18:32:55 -0800
From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
To: <bdh@cyberbound.net>

Cc: "qrp-1" <qrp-1@lehigh.edu>
Subject: [111046] Re: [Elmer 101] RF probe URLs - a sample JFF de AL7FS
Message-ID: <000901c168c6\$d6fb6ee0\$07ea7182@mcmaster.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Accuracy? None of 'em, as Mike M has already mentioned.
I'd guess that careful construction has more bearing on
performance (especially at VHF) than which circuit.

The two-diode circuits in your list sacrifice accuracy
for sensitivity. They give more output voltage for the same
RF input because they're peak-to-peak detectors instead
of peak detectors. But accuracy is poorer, especially at
low RF amplitudes.

ALL these passive RF probes suffer from poor accuracy
at LOW amplitudes! They all give output lower than they
should. If you've got a calibrated source, or a step attenuator,
you can make a lookup table to help correct readings at
low amplitudes. Temperature will affect this correction a
little, so you can't push it too far.

Or you can add an op-amp, a similar diode to the RF
detector, and a few resistors to correct readings at low
amplitudes. W7EL did this nicely in his QRP directional
power meter that appeared in the HANDBOOK about 5
or 6 years ago. But that'll require a power supply, like a
9-volt battery. You certainly don't need to go to this trouble
for elmer101.

Glen VE3DNL

----- Original Message -----

From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 08, 2001 2:20 PM
Subject: Re: [Elmer 101] RF probe URLs - a sample JFF de AL7FS

> Which RF Probe is the MOST accurate and precise?

Date: Thu, 8 Nov 2001 16:46:20 -0500
From: "N3BJ" <alanfryer@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [111047] FS: American Radio QRP Key Co. Paddle

Message-ID: <000901c1689e\$cf729900\$af756520@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

American Radio QRP Key Ergo-Iambic model. Not sure Gil is making these anymore. Nice unit, good shape, the best small magnetic iambic paddle I've seen. Have another, this one is surplus.

\$53 shipped

Alan, N3BJ
Bent Mountain, VA

End of QRP-L Digest 2367
